

## Rabbit anti-Human WDR43 Polyclonal Antibody | anti-WDR43 antibody

WDR43 Antibody (C-term)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                |
|-----------|--------|------------|-----------------------------------------------------------------------------|
| AAA290952 | Rabbit | Human      | ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot |

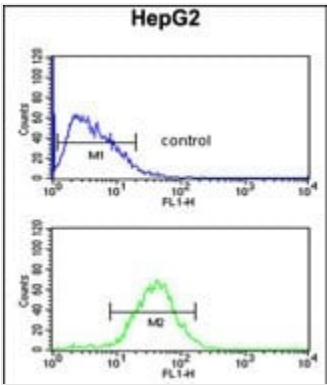
### PRODUCT SYNONYMS

WDR43; Polyclonal Antibody; WDR43 Antibody (C-term); WD repeat-containing protein 43; KIAA0007; UTP5; anti-WDR43 antibody

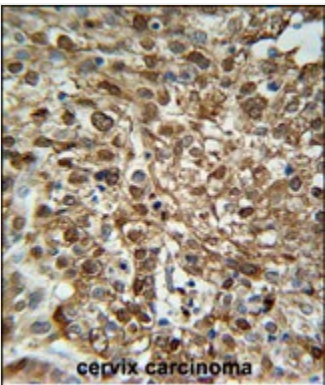
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity                                     | This WDR43 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 636-665 amino acids from the C-terminal region of human WDR43.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence Length                                 | 677                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for anti-WDR43 antibody | ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Function                                        | Ribosome biogenesis factor that coordinates hyperactive transcription and ribogenesis (PubMed: ). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome. Involved in nucleolar processing of pre-18S ribosomal RNA. Required for optimal pre-ribosomal RNA transcription by RNA polymerase I (PubMed: , PubMed: ). Essential for stem cell pluripotency and embryonic development. In the nucleoplasm, recruited by promoter-associated/nascent transcripts and transcription to active promoters where it facilitates releases of elongation factor P-TEFb and paused RNA polymerase II to allow transcription elongation and maintain high-level expression of its targets genes (By similarity). |
| Cellular Location                               | Nucleus, nucleolus. Nucleus, nucleolus fibrillar center. Nucleus, nucleoplasm {ECO:0000250 UniProtKB:Q6ZQL4}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Antigen Region                                  | 636-665                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Preparation and Storage                         | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

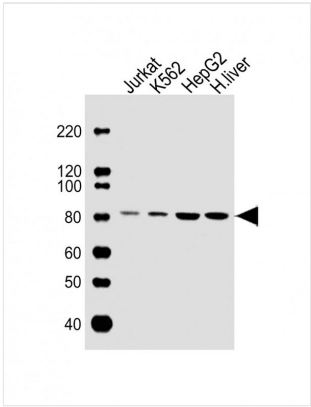
IMAGES



**FCM/FACS (Flow Cytometry)**  
WDR43 Antibody (C-term) flow cytometric analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**IHC (Immunohistochemistry)**  
WDR43 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human Cervix carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the WDR43 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
All lanes : Anti-WDR43 Antibody (C-term) at 1:1000 dilution  
Lane 1: Jurkat whole cell lysate  
Lane 2: K562 whole cell lysate  
Lane 3: HepG2 whole cell lysate  
Lane 4: human liver lysate  
Lysates/proteins at 20 ug per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.  
Predicted band size : 75 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-WDR43 antibody | Background: The function of WDR43 remains unknown.                                                                                                                                             |
| References                                          | Olsen, J.V., et al. Cell 127(3):635-648(2006). Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006). Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006). |

NCBI AND UNIPROT INFORMATION

|                           |                                 |
|---------------------------|---------------------------------|
| NCBI GI #                 | 157743245                       |
| NCBI GeneID               | 23160                           |
| NCBI Accession #          | NP_055946.1                     |
| NCBI GenBank Nucleotide # | NP_055946.1                     |
| UniProt Accession #       | Q15061                          |
| Molecular Weight          | Calculated MW: H=75 KDa         |
| NCBI Official Full Name   | WD repeat-containing protein 43 |

|                                  |                                 |
|----------------------------------|---------------------------------|
| NCBI Official Synonym Full Names | WD repeat domain 43             |
| NCBI Official Symbol             | WDR43                           |
| NCBI Official Synonym Symbols    | UTP5; NET12                     |
| NCBI Protein Information         | WD repeat-containing protein 43 |
| UniProt Protein Name             | WD repeat-containing protein 43 |
| UniProt Gene Name                | <b>WDR43</b>                    |
| UniProt Synonym Gene Names       | KIAA0007; UTP5                  |
| UniProt Entry Name               | WDR43_HUMAN                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/wdr43-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290952>