

Rabbit anti-Human WDR12 Polyclonal Antibody | anti-WDR12 antibody

Anti-WDR12 Antibody Picoband

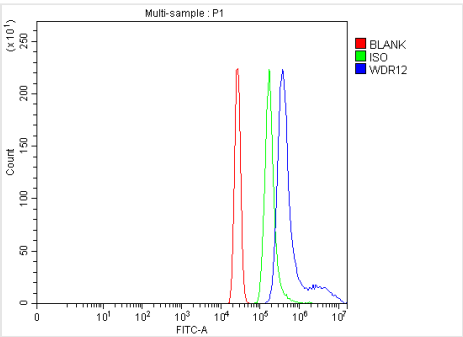
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126495	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

WDR12; Polyclonal Antibody; Anti-WDR12 Antibody Picoband; anti-WDR12 antibody

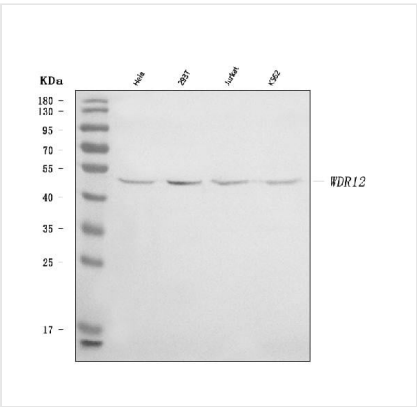
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-WDR12 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human WDR12 recombinant protein (Position: R7-D396).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HL-60 cells using anti-WDR12 antibody (AAA126495).Overlay histogram showing HL-60 cells stained with AAA126495 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-WDR12 Antibody (AAA126495, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of WDR12 using anti-WDR12 antibody (AAA126495).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: human 293T whole cell lysates,Lane 3: human Jurkat whole cell lysates,Lane 4: human K562 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-WDR12 antigen affinity purified polyclonal antibody (#AAA126495) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for WDR12 at approximately 48 kDa. The expected band size for WDR12 is at 48 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-WDR12 antibody	Ribosome biogenesis protein WDR12 is a protein that in humans is encoded by the WDR12 gene on chromosome 2. This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asg (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This protein is highly similar to the mouse WD repeat domain 12 protein at the amino acid level. The protein encoded by this gene is a component of a nucleolar protein complex that affects maturation of the large ribosomal subunit.
Product Categories/Family for anti-WDR12 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	217330644
NCBI GeneID	55759
NCBI Accession #	NP_060726
NCBI GenBank Nucleotide #	NM_018256
UniProt Accession #	Q9GZL7; Q96HU0; Q9NV80; Q9NYI8; B3KPA9
Molecular Weight	47,708 Da
NCBI Official Full Name	ribosome biogenesis protein WDR12
NCBI Official Synonym Full Names	WD repeat domain 12
NCBI Official Symbol	WDR12
NCBI Official Synonym Symbols	YTM1

NCBI Protein Information	ribosome biogenesis protein WDR12; WD repeat-containing protein 12
UniProt Protein Name	Ribosome biogenesis protein WDR12
UniProt Gene Name	WDR12
UniProt Entry Name	WDR12_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/wdr12-antibody-flow-cytometry-western-blot-elisa/126495>