

Rabbit anti-Human, Mouse WDR55 Polyclonal Antibody | anti-WDR55 antibody

Anti-WDR55 Antibody Picoband

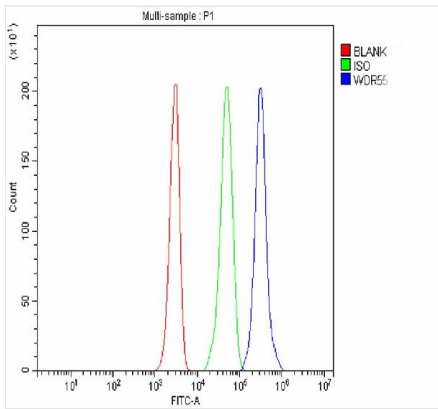
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127802	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

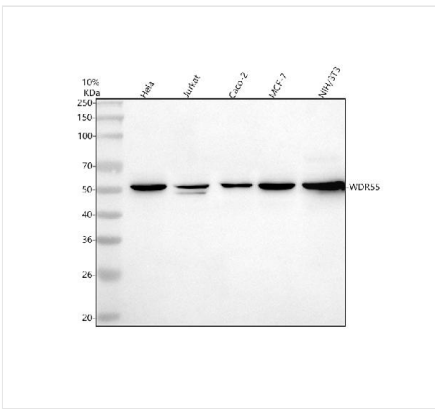
WDR55; Polyclonal Antibody; Anti-WDR55 Antibody Picoband; WD repeat-containing protein 55; WD repeat domain 55; anti-WDR55 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
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 .
Applicable Applications for anti-WDR55 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human WDR55, which shares 90% amino acid (aa) sequence identity with both mouse and rat WDR55.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	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 JK cells using anti-WDR55 antibody (AAA127802).Overlay histogram showing JK cells stained with AAA127802 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-WDR55 Antibody (AAA127802, 1ug/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 (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)
Figure 1. Western blot analysis of WDR55 using anti-WDR55 antibody (AAA127802).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 Jurkat whole cell lysates,Lane 3: human Caco-2 whole cell lysates,Lane 4: human MCF-7 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-WDR55 antigen affinity purified polyclonal antibody (#AAA127802) at 0.5ug/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 WDR55 at approximately 50 kDa. The expected band size for WDR55 is at 42 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-WDR55 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-WDR55 antibody	Primary Antibodies
References	1. Gross, M. B. Personal Communication. Baltimore, Md. 5/20/2024.2. Iwanami, N., Higuchi, T., Sasano, Y., Fujiwara, T., Hoa, V. Q., Okada, M., Talukder, S. R., Kunimatsu, S., Li, J., Saito, F., Bhattacharya, C., Matin, A., Sasaki, T., Shimizu, N., Mitani, H., Himmelbauer, H., Momoi, A., Kondoh, H., Furutani-Seiki, M., Takahama, Y. WDR55 is a nucleolar modulator of ribosomal RNA synthesis, cell cycle progression, and teleost organ development. PLoS Genet. 4: e1000171, 2008. Note: Erratum: PloS Genet. 4Sept, 2008.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38327642
NCBI GeneID	54853
NCBI Accession #	NP_060176.2
NCBI GenBank Nucleotide #	NM_017706.4
UniProt Accession #	Q9H6Y2; Q9NXX4
Molecular Weight	42,070 Da
NCBI Official Full Name	WD repeat-containing protein 55
NCBI Official Synonym Full Names	WD repeat domain 55
NCBI Official Symbol	WDR55

NCBI Protein Information	WD repeat-containing protein 55
UniProt Protein Name	WD repeat-containing protein 55
UniProt Gene Name	WDR55
UniProt Entry Name	WDR55_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/wdr55-antibody-flow-cytometry-western-blot-elisa/127802>