

Rabbit anti-Human MESDC2/MESD Polyclonal Antibody | anti-MESD antibody

Anti-MESDC2/MESD Antibody Picoband

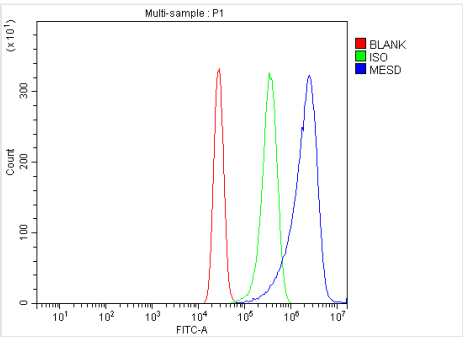
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126660	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

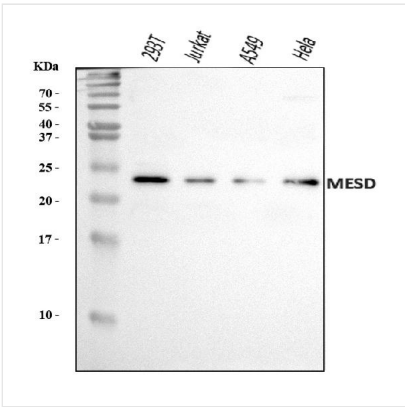
MESDC2/MESD; Polyclonal Antibody; Anti-MESDC2/MESD Antibody Picoband; anti-MESD antibody

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-MESD 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 MESDC2/MESD recombinant protein (Position: D80-Q205).
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 K562 cells using anti-MESDC2/MESD antibody (AAA126660).Overlay histogram showing K562 cells stained with AAA126660 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MESDC2/MESD Antibody (AAA126660, 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 MESDC2/MESD using anti-MESDC2/MESD antibody (AAA126660).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 293T whole cell lysates,Lane 2: human Jurkat whole cell lysates,Lane 3: human A549 whole cell lysates,Lane 4: human Hela 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-MESDC2/MESD antigen affinity purified polyclonal antibody (#AAA126660) 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 MESDC2/MESD at approximately 24 kDa. The expected band size for MESDC2/MESD is at 26 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MESD antibody	Mesoderm development candidate genes 1 (MESDC1) and 2 (MESDC2) were identified from the mesoderm development (MESD) deletion interval located on mouse chromosome 7. MESD acts as a chaperone for low-density lipoprotein receptor (LDLR) proteins in the ER, and particularly associates with Wnt signaling pathway coreceptors LRP5 and LPR6. MESD is required for proper LRP5/6 folding and maturation to the cell surface, which plays a major role in Wnt signaling. The interaction between MESD and LRP5 is disrupted by a G171V mutation in LRP5 that is found in individuals with a familial phenotype characterized by high bone mass.
Product Categories/Family for anti-MESD antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	74136552
NCBI GeneID	23184
NCBI Accession #	NP_055969.1
NCBI GenBank Nucleotide #	NM_015154.2
UniProt Accession #	Q14696; Q969U1; B4DW84; D3DW96
Molecular Weight	14,895 Da
NCBI Official Full Name	LDLR chaperone MESD
NCBI Official Synonym Full Names	mesoderm development candidate 2
NCBI Official Symbol	MESDC2
NCBI Official Synonym Symbols	BOCA; MESD
NCBI Protein Information	LDLR chaperone MESD; mesoderm development protein; renal carcinoma antigen NY-REN-61

UniProt Protein Name	LDLR chaperone MESD
UniProt Gene Name	MESDC2
UniProt Synonym Gene Names	KIAA0081; MESD
UniProt Entry Name	MESD_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://stage.aaabiotech.com/polyclonal/mesdc2-mesd-antibody-flow-cytometry-western-blot-elisa/126660>