

Rabbit MESDC2 Polyclonal Antibody | anti-MESDC2 antibody

MESDC2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290938	Rabbit	Human, Mouse Predicted: Rat	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MESDC2; Polyclonal Antibody; MESDC2 Antibody (C-term); KIAA0081; MESD; MESDM; LDLR chaperone MESD; Mesoderm development candidate 2; Mesoderm development protein; Renal carcinoma antigen NY-REN-61; anti-MESDC2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted: Rat
Clonality	Polyclonal
Isotype	Ig
Specificity	This MESDC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 206-234 amino acids from the C-terminal region of human MESDC2.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	234
Applicable Applications for anti-MESDC2 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Antigen Source	Human
Antigen Region	206-234
Antigen Type	Synthetic Peptide
Function	Chaperone specifically assisting the folding of beta- propeller/EGF modules within the family of low-density lipoprotein receptors (LDLRs) (PubMed:). Acts as a modulator of the Wnt pathway through chaperoning the coreceptors of the canonical Wnt pathway, LRP5 and LRP6, to the plasma membrane (PubMed:). Essential for specification of embryonic polarity and mesoderm induction. Plays an essential role in neuromuscular junction (NMJ) formation by promoting cell-surface expression of LRP4 (By similarity). May regulate phagocytosis of apoptotic retinal pigment epithelium (RPE) cells (By similarity).
Cellular Location	Endoplasmic reticulum Note=Released from apoptotic cells and shed photo receptor outer segments.{ECO:0000250 UniProtKB:Q9ERE7}
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



IF (Immunofluorescence)

Confocal immunofluorescent analysis of MESDC2 Antibody (C-term) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

MESDC2 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MESDC2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of lysates from mouse NIH/3T3, K562 cell line (from left to right), using MESDC2 Antibody (C-term). It was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MESDC2 antibody	Description: Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab) Background: Chaperone specifically assisting the folding of beta-propeller/EGF modules within the family of low-density lipoprotein receptors (LDLRs). Acts as a modulator of the Wnt pathway through chaperoning the coreceptors of the canonical Wnt pathway, LRP5 and LRP6, to the plasma membrane. Essential for specification of embryonic polarity and mesoderm induction.
Product Categories/Family for anti-MESDC2 antibody	Stem Cells
References	Murrills, R.J., et al. J. Cell. Biochem. 108(5):1066-1075(2009). Li, Y., et al. FEBS Lett. 580(22):5423-5428(2006). Veltman, I.M., et al. Hum. Mol. Genet. 14(14):1955-1963(2005). Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003). Hsieh, J.C., et al. Cell 112(3):355-367(2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	74136552
NCBI GeneID	23184
NCBI Accession #	NP_055969.1
NCBI GenBank Nucleotide #	NP_055969.1
UniProt Accession #	Q14696
Molecular Weight	Calculated MW: H=26; M=25; Rat=25 kDa
NCBI Official Full Name	LRP chaperone MESD
NCBI Official Synonym Full Names	mesoderm development LRP chaperone
NCBI Official Symbol	MESD
NCBI Official Synonym Symbols	BOCA; OI20; MESDC2
NCBI Protein Information	LRP chaperone MESD
UniProt Protein Name	LDLR chaperone MESD
UniProt Gene Name	MESDC2
UniProt Synonym Gene Names	KIAA0081; MESD

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-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/290938>