

**MESDC2 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11638b****Specification**

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**MESDC2 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q14696](#)**MESDC2 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 23184**Other Names**

LDLR chaperone MESD, Mesoderm development candidate 2, Mesoderm development protein, Renal carcinoma antigen NY-REN-61, MESDC2, KIAA0081, MESD

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**MESDC2 Antibody (C-term) Blocking peptide - Protein Information****Name** MESD ([HGNC:13520](#))**Synonyms** KIAA0081, MESDC2, MESDM**Function**

Chaperone specifically assisting the folding of beta-propeller/EGF modules within the family of low-density lipoprotein receptors (LDLRs) (PubMed:<a href="http://www.uniprot.org/citations/15014448" target="\_blank">15014448</a>). 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:<a href="http://www.uniprot.org/citations/17488095" target="\_blank">17488095</a>). 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 photoreceptor outer segments. {ECO:0000250|UniProtKB:Q9ERE7}

**MESDC2 Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**MESDC2 Antibody (C-term) Blocking peptide - Images****MESDC2 Antibody (C-term) Blocking peptide - Background**

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**MESDC2 Antibody (C-term) Blocking peptide - 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)