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AMOT Antibody (Center S787) Blocking Peptide

Synthetic peptide
Catalog # BP19246c

Specification

AMOT Antibody (Center S787) Blocking Peptide - Product Information

Primary Accession Q4VCS5

AMOT Antibody (Center S787) Blocking Peptide - Additional Information

Gene ID 154796

Other Names
Angiomotin, AMOT, KIAA1071

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.

AMOT Antibody (Center S787) Blocking Peptide - Protein Information

Name AMOT

Synonyms KIAA1071

Function
Plays a central role in tight junction maintenance via the complex formed with ARHGAP17, which acts by regulating the uptake of polarity proteins at tight junctions. Appears to regulate endothelial cell migration and tube formation. May also play a role in the assembly of endothelial cell-cell junctions. Repressor of YAP1 and WWTR1/TAZ transcription of target genes, potentially via regulation of Hippo signaling-mediated phosphorylation of YAP1 which results in its recruitment to tight junctions (PubMed:21205866).

Cellular Location
Cell junction, tight junction. Note=Localized on the cell surface. May act as a transmembrane protein

Tissue Location
Expressed in placenta and skeletal muscle. Found in the endothelial cells of capillaries as well as larger vessels of the placenta.

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AMOT Antibody (Center S787) Blocking Peptide - Protocols

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

- Blocking Peptides

AMOT Antibody (Center S787) Blocking Peptide - Images

AMOT Antibody (Center S787) Blocking Peptide - Background

This gene belongs to the motin family of angiostatinbinding proteins characterized by conserved coiled-coil domains andC-terminal PDZ binding motifs. The encoded protein is expressedpredominantly in endothelial cells of capillaries as well as largervessels of the placenta where it may mediate the inhibitory effectof angiostatin on tube formation and the migration of endothelialcells toward growth factors during the formation of new bloodvessels. Alternative splicing results in multiple transcriptvariants encoding different isoforms.

AMOT Antibody (Center S787) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Heller, B., et al. J. Biol. Chem. 285(16):12308-12320(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Gagne, V., et al. Cell Motil. Cytoskeleton 66(9):754-768(2009)Zheng, Y., et al. Circ. Res. 105(3):260-270(2009)