10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AMOT Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18634a

Specification

AMOT Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q4VCS5
Other Accession	NP_001106962.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**118085**
Antigen Region	**240-267**

AMOT Antibody (N-term) - Additional Information

Gene ID 154796

Other Names
Angiomotin, AMOT, KIAA1071

Target/Specificity
This AMOT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 240-267 amino acids from the N-terminal region of human AMOT.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

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.

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.

Precautions
AMOT Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AMOT Antibody (N-term) - 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

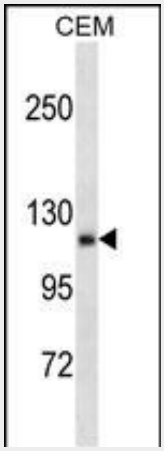
Tissue Location
Expressed in placenta and skeletal muscle. Found in the endothelial cells of capillaries as well as larger vessels of the placenta.

AMOT Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AMOT Antibody (N-term) - Images



AMOT Antibody (N-term) (Cat. #AP18634a) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the AMOT antibody detected the AMOT protein (arrow).

AMOT Antibody (N-term) - Background

This gene belongs to the motin family of angiostatin binding proteins characterized by conserved coiled-coil domains and C-terminal PDZ binding motifs. The encoded protein is expressed predominantly in endothelial cells of capillaries as well as larger vessels of the placenta where it may mediate the inhibitory effect

of angiostatin on tube formation and the migration of endothelial cells toward growth factors during the formation of new blood vessels. Alternative splicing results in multiple transcript variants encoding different isoforms.

AMOT Antibody (N-term) - 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)