

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

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**AMOT Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q4VCS5</a>
Other Accession	<a href="#">NP_001106962.1</a>
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

**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.

**Cellular Location**

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

**Tissue Location**

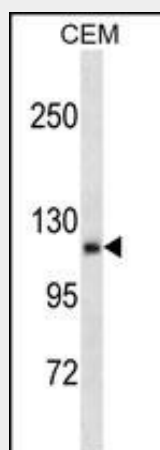
Expressed in placenta and skeletal muscle. Found in the endothelial cells of capillaries as well as larger vessels of the placenta.

**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 Cytometry](#)
- [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)  
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