

**AMOT Antibody (Center S305)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19247c****Specification**

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**AMOT Antibody (Center S305) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q4VCS5</a>
Other Accession	<a href="#">Q8VHG2</a> , <a href="#">NP_001106962.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	118085
Antigen Region	285-312

**AMOT Antibody (Center S305) - 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 285-312 amino acids from the Central region of human AMOT.

**Dilution**

WB~~1:500-1:1000

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 (Center S305) is for research use only and not for use in diagnostic or therapeutic procedures.

**AMOT Antibody (Center S305) - 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

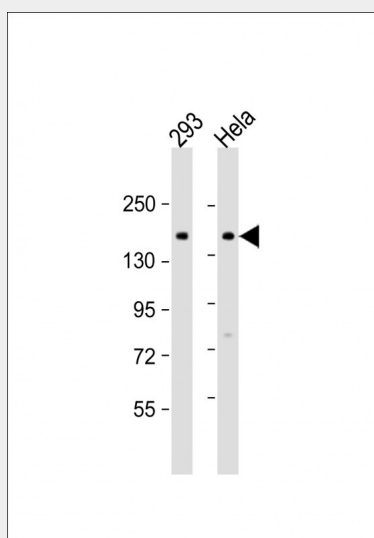
Expressed in placenta and skeletal muscle. Found in the endothelial cells of capillaries as well as larger vessels of the placenta.

### AMOT Antibody (Center S305) - 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 (Center S305) - Images



All lanes : Anti-AMOT Antibody (Center S305) at 1:500-1:1000 dilution Lane 1: 293 whole cell lysate Lane 2: HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 118 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### AMOT Antibody (Center S305) - 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 (Center S305) - 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)