

## AMOT Rabbit pAb

CatalogNo: YN0444

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB, ELISA

#### MW

- 119kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-2000**

**ELISA 1:5000-20000**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human protein . at AA range: 710-790

**Specificity** AMOT Polyclonal Antibody detects endogenous levels of protein.

### Target Information

**Gene name** AMOT KIAA1071

**Protein Name** Angiomotin

Organism	Gene ID	UniProt ID
Human	<a href="#">154796;</a>	<a href="#">Q4VCS5;</a>
Mouse		<a href="#">Q8VHG2;</a>

**Cellular Localization** Cell junction , tight junction . Localized on the cell surface. May act as a transmembrane protein.

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

**Function** Domain:The angiostatin binding domain (871-1005) allows the binding to angiostatin. ,Domain:The coiled coil domain interacts directly with the BAR domain of ARHGAP17. ,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. ,miscellaneous:'Motus' means motility in Latin. ,PTM:Phosphorylated upon DNA damage , probably by ATM or ATR. ,sequence Caution:Contaminating sequence. Potential poly-A sequence. ,similarity:Belongs to the angiomotin family. ,subcellular location:Localized on the cell surface. May act as a transmembrane protein. ,subunit:Component of a complex whose core is composed of ARHGAP17 , AMOT , MPP5/PALS1 , INADL/PATJ and PARD3/PAR3. Interacts with MAGI1. Isoform 1 interacts with angiostatin. ,tissue specificity:Expressed in placenta and skeletal muscle. Found in the endothelial cells of capillaries as well as larger vessels of the placenta.

## Validation Data

## Contact information

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**AMOT Rabbit pAb**

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