



Rabbit Anti-Angiomotin antibody

SL4171R

Product Name:	Angiomotin
Chinese Name:	血管动蛋白抗体
Alias:	AMOT; AMOT_HUMAN; Angiomotin; Angiomotin p130 isoform; KIAA1071.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	118kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Angiomotin:545-620/1084
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Angiomotin 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. 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.

Subunit:

Component of a complex whose core is composed of ARHGAP17, AMOT, MPP5/PALS1, INADL/PATJ and PARD3/PAR3. Interacts with MAG11. Isoform 1 interacts with angiostatin.

Subcellular Location:

Cell junction, tight junction.

Tissue Specificity:

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

Post-translational modifications:

Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:

Belongs to the angiomin family.

SWISS:

Q4VCS5

Gene ID:

154796

Database links:

[Entrez Gene: 465814](#)Chimpanzee

[Entrez Gene: 100054069](#)Horse

[Entrez Gene: 154796](#)Human

[Entrez Gene: 27494](#)Mouse

[Entrez Gene: 300289](#)Rat

[Entrez Gene: 707701](#)Rhesus monkey

[Omim: 300410](#)Human

[SwissProt: Q4VCS5](#)Human

[SwissProt: Q8VHG2](#)Mouse

[Unigene: 528051](#)Human

[Unigene: 100068](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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