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

Angiomotin Rabbit pAb

Catalog # AP98017

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q4VCS5
Other Accession	Q4VCS5
Predicted	Rat, Pig, Human, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	118085
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Angiomotin
Epitope Specificity	545-620/1084
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the angiomotin family.
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.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	154796
Other Names	CK820_G0034873; CAG-2; D0Kist1; Sii6; RGD1564027; AMOT_HUMAN; AMOT; KIAA1071; AMOT_MOUSE; angiomotin
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.