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[Marker Primary Antibody]

Rabbit Anti-Angiomotin/HRP Conjugated antibody

Catalog Number: SL4171R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-Angiomotin/HRP
Immunogen:	KLH conjugated synthetic peptide derived from human Angiomotin (545-620aa)
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse)
Background:	background: 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,

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	AMOT, MPP5/PALS1, INADL/PATJ and PARD3/PAR3. Interacts with MAGI1. 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 angiomotin family. **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.