Rabbit anti-Human Angiomotin/AMOT Polyclonal Antibody | anti-AMOT antibody

Anti-Angiomotin/AMOT Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126361	**Rabbit**	**Human**	**ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot**

PRODUCT SYNONYMS

Angiomotin/AMOT; Polyclonal Antibody; Anti-Angiomotin/AMOT Antibody Picoband; anti-AMOT antibody

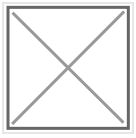
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-AMOT antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human Angiomotin/AMOT recombinant protein (Position: T12-Q622).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES

FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of CACO-2 cells using anti-Angiomotin/AMOT antibody (AAA126361).Overlay histogram showing CACO-2 cells stained with AAA126361 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Angiomotin/AMOT Antibody (AAA126361, 1 ug/1x10^6 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

IF (Immunofluorescence)
Figure 2. IF analysis of Angiomotin/AMOT using anti-Angiomotin/AMOT antibody (AAA126361).Angiomotin/AMOT was detected in an immunocytochemical section of CACO-2 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-Angiomotin/AMOT Antibody (AAA126361) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)
Figure 1. Western blot analysis of Angiomotin/AMOT using anti-Angiomotin/AMOT antibody (AAA126361).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human 293T whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Angiomotin/AMOT antigen affinity purified polyclonal antibody (#AAA126361) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Angiomotin/AMOT at approximately 150 kDa. The expected band size for Angiomotin/AMOT is at 118 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-AMOT antibody	Angiomotin (AMOT) is a protein that in humans is encoded by the AMOT gene. 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.
Product Categories/Family for anti-AMOT antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	19111150
NCBI GeneID	154796
NCBI Accession #	NP_573572.1
NCBI GenBank Nucleotide #	NM_133265.2
UniProt Accession #	Q4VCS5; Q504X5; Q9HD27; Q9UPT1
Molecular Weight	118,085 Da
NCBI Official Full Name	angiomotin isoform 2
NCBI Official Synonym Full Names	angiomotin
NCBI Official Symbol	AMOT
NCBI Protein Information	angiomotin; angiomotin p80 isoform; angiomotin p130 isoform
UniProt Protein Name	Angiomotin
UniProt Gene Name	**AMOT**
UniProt Synonym Gene Names	KIAA1071
UniProt Entry Name	AMOT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/angiomotin-amot-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/126361