

Datasheet for ABIN2775937
anti-Angiotensin antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	Angiotensin (AMOT)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Horse, Dog, Guinea Pig, Rabbit, Cow, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Angiotensin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human AMOT
Sequence:	TANKQLAEKE YEGSEDTRKT ISQLFAKNKE SQREKEKLEA ELATARSTNE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against AMOT. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Angiotensin (AMOT)
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Target Details

Alternative Name: AMOT ([AMOT Products](#))

Background: AMOT belongs to the motin family of angiostatin binding proteins characterized by conserved coiled-coil domains and C-terminal PDZ binding motifs. The 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. 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.

Alias Symbols: KIAA1071

Protein Interaction Partner: AMOT, C1orf216, WDYHV1, MED4, SNAPC5, PPP2R4, LURAP1, UNC119, LMO4, PIN1, MAGEA4, KRT31, KRT15, FUS, SEPT1, CEP76, HAUS2, LATS2, CEP250, CDKN1A, ACTB, ACTA1, YAP1, SART3, AURKB, MAPK3, BAG3, WWOX, ITCH, LATS1, YWHAG, UBC, PARK2, AMOTL1, SPICE1, MPP7, CNTR

Protein Size: 675

Molecular Weight: 73 kDa

Gene ID: 154796

NCBI Accession: [NM_133265](#), [NP_573572](#)

UniProt: [Q4VCS5](#)

Pathways: [Cell-Cell Junction Organization](#), [Regulation of Cell Size](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 675 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Handling

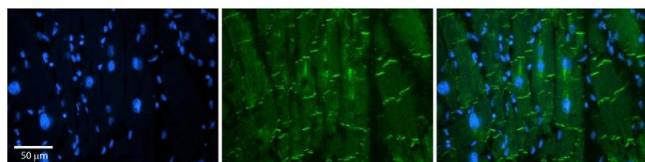
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-AMOT Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human heart



Immunohistochemistry

Image 2. Rabbit Anti-AMOT Antibody Formalin Fixed Paraffin Embedded Tissue: Human Adult heart Observed Staining: Membrane(tight junctions - intercalated disks) Primary Antibody Concentration: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy2/3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 – 2.0 sec Protocol located in Reviews and Data.