AMOTL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AMOTL1, Polyclonal Antibody
Full Product Name	AMOTL1 Antibody
Product Gene Name	anti-AMOTL1 antibody
Product Synonym Names	AMOTL1; Angiomotin-like protein 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	106,574 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (94501508..94609918). Location: 11q14.3
OMIM	614657
3D Structure	ModBase 3D Structure for Q8IY63
Immunogen	Synthesized peptide derived from the Internal region of human Angiomotin-L1.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-AMOTL1 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-AMOTL1 antibody	Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-AMOTL1 antibody	IHC: 1:100-1:300 ELISA: 1:10000
Related Product Information for anti-AMOTL1 antibody	MBS7119083 is an antibody targeting AMOTL1. Also known as AMOTL1 Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-AMOTL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AMOTL1. It may not necessarily be applicable to this product.

NCBI GI #	22027646

NCBI GeneID	154810
NCBI Accession #	NP_570899.1
UniProt Primary Accession #	Q8IY63
UniProt Secondary Accession #	Q63HK7; Q8NDN0; Q8TEN8; Q8WXD1; Q96CM5
UniProt Related Accession #	Q8IY63
GenBank Nucleotide #	NM_130847.2
NCBI Official Full Name	angiomotin-like protein 1
NCBI Official Synonym Full Names	angiomotin like 1
NCBI Official Symbol	AMOTL1
NCBI Official Synonym Symbols	JEAP
UniProt Protein Name	Angiomotin-like protein 1
Protein Family	Angiomotin-like protein
UniProt Gene Name	AMOTL1
UniProt Entry Name	AMOL1_HUMAN
NCBI Protein Information	angiomotin-like protein 1; junction-enriched and associated protein
NCBI Summary for AMOTL1	The protein encoded by this gene is a peripheral membrane protein that is a component of tight junctions or TJs. TJs form an apical junctional structure and act to control paracellular permeability and maintain cell polarity. This protein is related to angiomotin, an angiostatin binding protein that regulates endothelial cell migration and capillary formation. [provided by RefSeq, Jul 2008]
UniProt Comments for AMOTL1	AMOTL1: Inhibits the Wnt/beta-catenin signaling pathway, probably by recruiting CTNNB1 to recycling endosomes and hence preventing its translocation to the nucleus. Belongs to the angiomotin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 11q14.3 Cellular Component: signalosome; tight junction; lamellipodium; apical plasma membrane; cytoplasm; cytoplasmic vesicle; cytosol; cell junction Molecular Function: identical protein binding; protein binding Biological Process: Wnt receptor signaling pathway; positive regulation of blood vessel endothelial cell migration
Research Articles on AMOTL1	**1.** AmotL1 and ZO-2 are two candidates that could be harnessed to control the oncogenic function of YAP.
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