LIMA1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LIMA1, Polyclonal Antibody
Full Product Name	LIMA1 Rabbit pAb
Product Gene Name	anti-LIMA1 antibody
Product Synonym Names	EPLIN; LDLCQ8; SREBP3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	100kDa
OMIM	608364
3D Structure	ModBase 3D Structure for Q9UHB6
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 560-759 of human LIMA1 (NP_057441.1).
Cellular Localization	Cell Junction, Cytoplasm, Cytoskeleton
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-LIMA1 antibody	Western Blot (WB)
Application Notes for anti-LIMA1 antibody	WB: 1:500-1:2000
Related Product Information for anti-LIMA1 antibody	Binds to actin monomers and filaments. Increases the number and size of actin stress fibers and inhibits membrane ruffling. Inhibits actin filament depolymerization. Bundles actin filaments, delays filament nucleation and reduces formation of branched filaments.
Other Notes	Small volumes of anti-LIMA1 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.
Searchable Terms for LIMA1 purchase	MBS8548092 is an antibody targeting LIMA1. Also known as LIMA1 Rabbit pAb. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LIMA1. It may not necessarily be applicable to this product.

NCBI GI #	165905589
NCBI GeneID	51474
NCBI Accession #	NP_001107018

UniProt Primary Accession #	Q9UHB6
UniProt Related Accession #	Q9UHB6
GenBank Nucleotide #	NP_001107018.1
NCBI Official Full Name	LIM domain and actin-binding protein 1 isoform 1
NCBI Official Synonym Full Names	LIM domain and actin binding 1
NCBI Official Symbol	LIMA1
NCBI Official Synonym Symbols	EPLIN; LDLCQ8; SREBP3
UniProt Protein Name	LIM domain and actin-binding protein 1
UniProt Synonym Protein Names	Epithelial protein lost in neoplasm
Protein Family	LIM domain and actin-binding protein
UniProt Gene Name	LIMA1
UniProt Synonym Gene Names	EPLIN; SREBP3
UniProt Entry Name	LIMA1_HUMAN
NCBI Protein Information	LIM domain and actin-binding protein 1
NCBI Summary for LIMA1	This gene encodes a cytoskeleton-associated protein that inhibits actin filament depolymerization and cross-links filaments in bundles. It is downregulated in some cancer cell lines. Alternatively spliced transcript variants encoding different isoforms have been described for this gene, and expression of some of the variants maybe independently regulated. [provided by RefSeq, Aug 2011]
UniProt Comments for LIMA1	eplin: Binds to actin monomers and filaments. Increases the number and size of actin stress fibers and inhibits membrane ruffling. Inhibits actin filament depolymerization. Bundles actin filaments, delays filament nucleation and reduces formation of branched filaments. 4 isoforms of the human protein are produced by alternative promoter. Protein type: Motility/polarity/chemotaxis; Cytoskeletal; Actin-binding Chromosomal Location of Human Ortholog: 12q13 Cellular Component: focal adhesion; cytoplasm; plasma membrane; stress fiber; cleavage furrow; actin cytoskeleton Molecular Function: actin monomer binding; actin filament binding; protein binding; zinc ion binding Biological Process: actin filament bundle formation; ruffle organization and biogenesis; negative regulation of actin filament depolymerization
Research Articles on LIMA1	**1.** Study proposes a role for EPLIN's ability to regulate the aggressive characteristics of prostate cancer cells partially through regulating FAK/Src signaling.
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