

Rabbit anti-Human LIMA1 Polyclonal Antibody | anti-LIMA1 antibody

LIMA1 Antibody

CATALOG # AAA40563	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
------------------------------	-----------------------	----------------------------	--

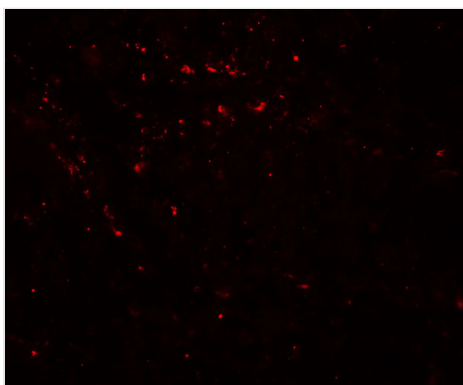
PRODUCT SYNONYMS

LIMA1; Polyclonal Antibody; LIMA1 Antibody; LIM domain and actin-binding protein 1; PP624; EPLIN; SREBP3 ; LIM domain and actin binding 1; anti-LIMA1 antibody

PRODUCT SPECIFICATIONS

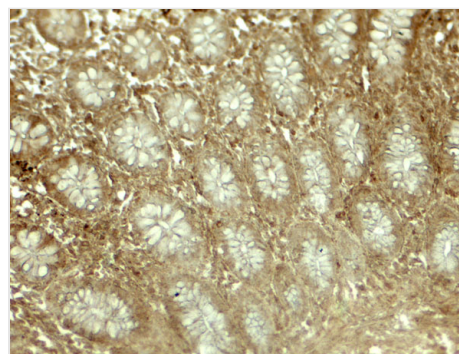
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	LIMA1 antibody is human specific. At least four isoforms of LIMA1 are known to exist; this antibody will only detect the three largest isoforms.
Purity/Purification	LIMA1 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	760
Applicable Applications for anti-LIMA1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	LIMA1 antibody was raised against an 18 amino acid peptide near the amino terminus of human LIMA1
Buffer	LIMA1 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	LIMA1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



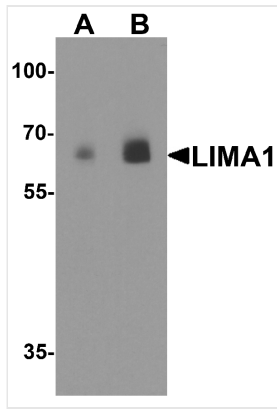
IF (Immunofluorescence)

Immunofluorescence of LIMA1 in human colon tissue with LIMA1 antibody at 20 &#956;g/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of LIMA1 in human colon tissue with LIMA1 antibody at 5 &#956;g/mL.



WB (Western Blot)

Western blot analysis of LIMA1 in human colon tissue lysate with LIMA1 antibody at (A) 0.5 and (B) 1 µg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-LIMA1 antibody

The Lim domain and actin-binding protein 1 (LIMA1) is cytoskeleton-associated protein that inhibits actin filament depolymerization and cross-links filaments in bundles and is downregulated in some cancer cell lines (1,2). LIMA1 is also a key molecule linking the cadherin-catenin complex to the actin cytoskeleton (3). Recent studies have shown that EGF activates ERK1/2-dependent phosphorylation, ubiquitination and degradation of LIMA1, leading to increased invasiveness and metastasis of metastatic prostate cancer models (4).

NCBI AND UNIPROT INFORMATION

NCBI GI #	165905589
NCBI GeneID	51474
NCBI Accession #	NP_001107018
NCBI GenBank Nucleotide #	NM_001113546.1
UniProt Accession #	Q9UHB6; Q2TAN7; Q59FE8; Q9BVF2; Q9H8J1; Q9HBN5; Q9NX96; Q9NXC3; Q9NXU6; Q9P0H8; Q9UHB5; B2RB09
Molecular Weight	Predicted: 50; 66; 84 kDa Observed: 65 kDa
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; SREBP3
NCBI Protein Information	LIM domain and actin-binding protein 1; 1110021C24Rik; epithelial protein lost in neoplasm beta; sterol regulatory element binding protein 3
UniProt Protein Name	LIM domain and actin-binding protein 1
UniProt Gene Name	LIMA1
UniProt Synonym Gene Names	EPLIN; SREBP3
UniProt Entry Name	LIMA1_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.

