



Rabbit Anti-FMNL1 antibody

SL6812R

Product Name:	FMNL1
Chinese Name:	成蛋白相关蛋白1抗体
Alias:	C17orf1; C17orf1B; CLL associated antigen KW 13; FHOD4; FMNL; Fnrl; Formin like 1; Formin like; Formin related protein; Frls; KW 13; KW13; Leukocyte formin; MGC133052; MGC1894; MGC21878; FMNL_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	122kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FMNL1:831-930/1100
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	FMNL1 (Formin-like protein 1) gene encodes a formin-related protein. Formin-related proteins have been implicated in morphogenesis, cyokinesis, and cell polarity. An alternative splice variant has been described but the full length sequence has not yet been determined. FMNL1 possibly has a role in the control of cell motility and survival of macrophages.

Function:

May play a role in the control of cell motility and survival of macrophages. Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the cortical actin filament dynamics and cell shape.

Subunit:

Interacts with RAC1, PFN1 and PFN2. Interacts (activated by RAC1) with SRGAP2 (via SH3 domain); regulates the actin filament severing activity of FMNL1.

Subcellular Location:

Cytoplasm. Cell membrane; Lipid-anchor. Cytoplasmic vesicle, phagosome.

Note=Recruited to actin-rich phagosomes during phagocytosis. Translocates to the plasma membrane upon activation by RAC1.

Isoform 3: Cytoplasm, cell cortex. Cell projection, bleb. Note=Colocalized with F-actin in bleb protrusions.

Tissue Specificity:

Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.

Post-translational modifications:

Myristoylation mediates membrane localization and blebbing.

Similarity:

Belongs to the formin homology family.

Contains 1 DAD (diaphanous autoregulatory) domain.

Contains 1 FH2 (formin homology 2) domain.

Contains 1 GBD/FH3 (Rho GTPase-binding/formin homology 3) domain.

SWISS:

O95466

Gene ID:

752

Database links:

[Entrez Gene: 752](#)Human

[Entrez Gene: 57778](#)Mouse

[Entrez Gene: 287746](#)Rat

[Omim: 604656](#)Human

[SwissProt: O95466](#)Human

[SwissProt: Q9JL26](#)Mouse

[Unigene: 100217](#)Human

[Unigene: 138913](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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