



Rabbit Anti-ABLIM3 antibody

SL11909R

Product Name:	ABLIM3
Chinese Name:	肌动蛋白Binding proteinLIM3抗体
Alias:	abLIM-3; Ablim3; ABLM3_HUMAN; Actin binding LIM protein 3; Actin binding LIM protein family member 3; Actin-binding LIM protein 3; Actin-binding LIM protein family member 3; HMFN1661; KIAA0843.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	78kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ABLIM3:401-500/683
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:	The C. elegans protein Unc-115 mediates axon guidance by modulating the growth cone Actin cytoskeleton in response to signals received by growth cone receptors. The mammalian homolog of Unc-115 is the Actin-binding LIM protein family member 1 (ABLIM1, also designated Limatin). The ABLIM1 protein has an N-terminal domain that contains four double zinc finger motifs, which conform to the LIM motif consensus

sequence. ABLIM1 binds to F-Actin through a dematin-like domain and is expressed in retina, brain and muscle tissue. There are four known isoforms of ABLIM1. The gene encoding ABLIM1 maps to a region of chromosome 10 associated with frequent loss of heterozygosity in human tumors, thus identifying ABLIM1 as a candidate tumor suppressor gene. ABLIM2 and ABLIM3 show highest expression in muscle and neuronal tissues, bind to F-Actin, and are localized on stress fibers. They also have been shown to enhance STARS (striated muscle activator of Rho signaling) dependent activation of serum-response factor (SRF), thereby modulating transcription.

Function:

May act as scaffold protein. May stimulate ABRA activity and ABRA-dependent SRF transcriptional activity.

Subunit:

Directly interacts with F-actin and ABRA.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Expressed predominantly in heart and brain.

Similarity:

Contains 1 HP (headpiece) domain.

Contains 4 LIM zinc-binding domains.

SWISS:

O94929

Gene ID:

22885

Database links:

[Entrez Gene: 22885](#)Human

[Entrez Gene: 319713](#)Mouse

[Omim: 611305](#)Human

[SwissProt: O94929](#)Human

[SwissProt: Q69ZX8](#)Mouse

[Unigene: 49688](#)Human

[Unigene: 329478](#)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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