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Datasheet for ABIN4995905

anti-ABLIM1 antibody (AA 681-778) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	ABLIM1
Binding Specificity:	AA 681-778
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABLIM1 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ABLIM1
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig, Chicken
Purification:	Purified by Protein A.

Target Details

Target:	ABLIM1
Alternative Name:	ABLIM1 (ABLIM1 Products)
Background:	Synonyms: ABLIM 1, ABLIM, abLIM-1, ABLIM-L, ABLIM-M, ABLIM-S, ABLIM1, ABLM1_HUMAN,

Target Details

Actin binding double zinc finger protein, Actin binding LIM protein 1, Actin binding LIM protein family member 1, Actin-binding double zinc finger protein, Actin-binding double zinc finger protein, Actin-binding LIM protein 1, Actin-binding LIM protein family member 1, DKFZp781D0148, FLJ14564, KIAA0059, LIM actin binding protein 1, LIMAB 1, LIMAB1, Limatin, RGD1565768, RP11-317F20.1.

Background: 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.

Gene ID: 3983

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months