

[Go to Product page](#)

Datasheet for ABIN1386034

anti-LIM Domain Binding 1 Protein antibody (AA 10-100)

Overview

Quantity:	100 µL
Target:	LIM Domain Binding 1 Protein (LDB1)
Binding Specificity:	AA 10-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LIM Domain Binding 1 Protein antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human LDB1/CLIM-2
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	LIM Domain Binding 1 Protein (LDB1)
Alternative Name:	LDB1/CLIM-2 (LDB1 Products)

Target Details

Background:	<p>Synonyms: Carboxyl Terminal LIM Domain Binding 2, Carboxyl-terminal LIM domain-binding protein 2, CLIM 2, CLIM-2, hLdb1, LDB-1, ldb1, LDB1_HUMAN, LIM Domain Binding 1, LIM domain binding factor CLIM2, LIM domain-binding factor CLIM2, LIM domain-binding protein 1, NLI, Nuclear LIM Domain Interactor, Nuclear LIM interactor antibodyxldb1.</p> <p>Background: The LIM-only (LMO) proteins, LMO1 and LMO2, are nuclear factors that are characterized by a conserved LIM domain. The LIM domain consists of a cysteine-rich zinc-binding motif that is present in a variety of transcription factors, including the LIM homeobox (LHX) proteins expressed in the central nervous system and involved in cell differentiation. LMO1 and LMO2 are expressed in the adult CNS in a cell type-specific manner, where they are differentially regulated by neuronal activity and are involved in regulating the cellular differentiated phenotype of neurons. LMO2 lacks a specific DNA-binding homeobox domain but rather assembles into transcriptional regulatory complexes to mediate gene expression by interacting with the widely expressed nuclear LIM interactor (NLI). NLI, known also as CLIM-1, and the related protein CLIM-2, facilitate the formation of heteromeric LIM complexes and also enhance the nuclear retention of LIM proteins. LMO2 and the related protein LMO4 are expressed in thymic precursor cells. LMO4 is also expressed in mature T cells, cranial neural crest cells, somite, dorsal limb bud mesenchyme, motor neurons, and Schwann cell progenitors.</p>
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Pathways:	Stem Cell Maintenance , Chromatin Binding
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Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL

Handling

Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months