

LDB2 Rabbit pAb

Catalog # AP99711

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O43679
Other Accession	O43679
Reactivity	Human
Predicted	Rat, Cat, Mouse, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42793
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LDB2
Epitope Specificity	1-100/373
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the LDB family.
Post-translational modifications	Ubiquitinated by RLIM/RNF12, leading to its degradation by the proteasome.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Genes encoding LIM domain-binding factors were initially isolated in a screen for proteins that physically interact with the LIM domains of nuclear proteins (summarized by Semina et al., 1998 [PubMed 9799849]). These proteins, such as the one encoded by the LDB2 gene, are capable of binding to a variety of transcription factors and are likely to function at enhancers to bring together diverse transcription factors and form higher order activation complexes or to block formation of such complexes (Jurata and Gill, 1997 [PubMed 9315627]). The family of genes encoding LIM domain-binding factors includes 2 members isolated from the mouse, Clim1 (Bach et al., 1997 [PubMed 9192866]) and Clim2/Lbd1/Nli (Agulnick et al., 1996 [PubMed 8918878]; Jurata et al., 1996 [PubMed 8876198]; Bach et al., 1997 [PubMed 9192866]) and their homologs cloned from the frog, chicken, and fly. The fact that LIM domain-binding factors are likely to be involved in the coordination of the transcriptional activity of many diverse factors might implicate them in human phenotypes characterized by multiple affected sites.[supplied by OMIM, Jul 2010]

Additional Information

Gene ID	9079
Other Names	CLIM1; LDB-2; LDB1; CLP-36; Ldb3; LDB2_CHICK; LDB2; Carboxyl-terminal LIM domain-binding protein 1 (CLIM-1); LIM domain-binding factor CLIM1 (cLdb2);

LDB2_HUMAN; LIM domain-binding factor CLIM1; LDB2_MOUSE; B5DF10_RAT;
LIM domain binding 2

Dilution IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name LDB2

Synonyms CLIM1

Function Transcription cofactor. Binds to the LIM domain of a wide variety of LIM domain-containing transcription factors.

Cellular Location Nucleus.

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