

LDB2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14378b

Product Information

Application	IHC-P, WB, E
Primary Accession	O43679
Other Accession	O55203 , Q9W676 , NP_001124306.1 , NP_001281.1
Reactivity	Human
Predicted	Chicken, Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34262
Calculated MW	42793
Antigen Region	314-342

Additional Information

Gene ID	9079
Other Names	LIM domain-binding protein 2, LDB-2, Carboxyl-terminal LIM domain-binding protein 1, CLIM-1, LIM domain-binding factor CLIM1, LDB2, CLIM1
Target/Specificity	This LDB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 314-342 amino acids from the C-terminal region of human LDB2.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LDB2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

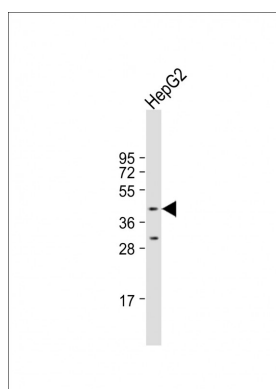
Background

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.

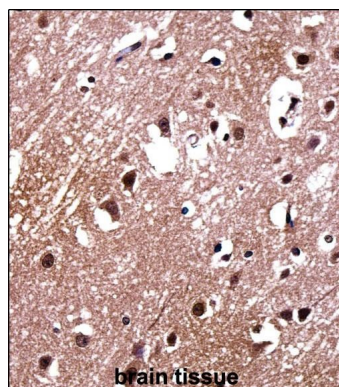
References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Hagg, S., et al. PLoS Genet. 5 (12), E1000754 (2009) :
Colland, F., et al. Genome Res. 14(7):1324-1332(2004)
Kotaka, M., et al. J. Cell. Biochem. 78(4):558-565(2000)
Bach, I., et al. Nat. Genet. 22(4):394-399(1999)

Images



Anti-LDB2 Antibody (C-term) at 1:1000 dilution + HepG2 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 43 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



LDB2 Antibody (C-term) (AP14378b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of LDB2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.