Anti-LDB2 (CLIM1) (RABBIT) Antibody - 600-401-459

Code: 600-401-459 **Size:** 100 µg

Product Description: Anti-LDB2 (CLIM1) (RABBIT) Antibody - 600-401-459

Concentration: 1.06 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Gene Name	CLIM1
Species Reactivity	mouse, human, chimpanzee, dog, rat, chicken
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	Carboxyl terminal LIM domain protein 1 antibody, CLIM 1 antibody, LIM domain binding 2 antibody, LIM domain binding factor 2 antibody, LIM domain binding factor CLIM 1 antibody
Application Note	This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 43 kDa in size corresponding to LDB2 by western blotting in the appropriate cell lysate or extract.
Background	LDB2 (LIM homeobox protein cofactor CLIM-1a). It is suggested that LIM domain binding proteins (LDB1, LDB2 and LDB3) act synergistically to enhance transcriptional efficiency by acting as co-factors for LIM homeodomain and Otx class transcription factors both of which have essential roles in development. LDB2 is a close homologue of LDB1. LDBs are homologs of the Drosophila Chip protein. Three members of the ldb gene family (Ldb1, Ldb2 and Ldb3) from the zebrafish, Danio rerio, share 95%, 73% and 62% amino acid identity with mouse Ldb1, respectively.
Purity And Specificity	This affinity purified antibody is directed against mouse LDB2. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from mouse, human, chimpanzee, dog, rat and chicken based on 100% homology for the immunogen sequence. Cross reactivity with LDB2 homologues from other sources has not been determined.
Assay Dilutions	User Optimized
ELISA	1:5,000 - 1:20,000
WESTERN BLOT	1:500 - 1:2,000
OTHER ASSAYS	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to aa 107-120 of Mouse LDB2.
General Reference	Ostendorff HP et al (2002) Ubiquitination-dependent cofactor exchange on LIM homeodomain transcription factors. Nature. 416(6876):99-103. Toyama R, et al (1998) Expression of LIM-domain binding protein (ldb) genes during zebrafish embryogenesis. Mech Dev. 71(1-2):197-200. Bach I, et al (1997) A family of LIM domain-associated cofactors confer transcriptional synergism between LIM and Otx homeodomain proteins. Genes Dev. 11(11):1370-80.

Related Products

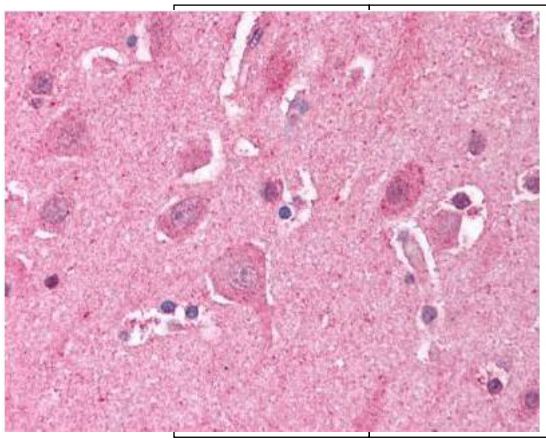
600-401-350	Anti-LDB1 (CLIM2) (RABBIT) Antibody - 600-401-350
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302

K-500	Antibody and Blocking Solution Starter PackK-500
MB-015	10% (w/v) Sodium Dodecyl Sulfate (SDS) - MB-015

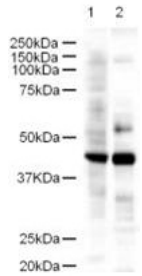
Related Links

Images

1 Rockland's Affinity Purified anti-LDB2 (Clim1) antibody was used at a 5 µg/ml to detect LDB2 in human brain cortex tissue. The image shows the localization of antibody as the precipitated red signal, with a hematoxylin purple nuclear counter stain. Tissue was formalin-fixed and paraffin embedded.



2 Western blot using Rockland's Affinity Purified anti-LDB2 antibody shows detection of a 43-kDa band corresponding to LDB2 in a lysates prepared from human kidney (lane 1) and mouse spleen (lane 2) tissues. Approximately 18 µg of lysate was run on a SDS-PAGE and transferred onto nitrocellulose followed by reaction with a 1:500 dilution of anti-LDB2 antibody. Detection occurred using a 1:5,000 dilution of HRP-labeled Goat anti-Rabbit IgG for 1 hour at room temperature. A chemiluminescence system was used for signal detection (Roche) using a 1 min exposure time.



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