

LDB1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14866b**Specification**

LDB1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q86U70](#)**LDB1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 8861**Other Names**

LIM domain-binding protein 1, LDB-1, Carboxyl-terminal LIM domain-binding protein 2, CLIM-2, LIM domain-binding factor CLIM2, hLdb1, Nuclear LIM interactor, LDB1, CLIM2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LDB1 Antibody (C-term) Blocking Peptide - Protein Information**Name** LDB1**Synonyms** CLIM2**Function**

Binds to the LIM domain of a wide variety of LIM domain- containing transcription factors. May regulate the transcriptional activity of LIM-containing proteins by determining specific partner interactions. Plays a role in the development of interneurons and motor neurons in cooperation with LHX3 and ISL1. Acts synergistically with LHX1/LIM1 in axis formation and activation of gene expression. Acts with LMO2 in the regulation of red blood cell development, maintaining erythroid precursors in an immature state.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:P70662}. Note=Colocalizes with SLK at leading edges {ECO:0000250|UniProtKB:P70662}

Tissue Location

Expressed in a wide range of adult tissues including brain, heart, skeletal muscle, colon, thymus, spleen, kidney, liver, small intestine, lung and peripheral blood leukocytes

LDB1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

LDB1 Antibody (C-term) Blocking Peptide - Images

LDB1 Antibody (C-term) Blocking Peptide - Background

LDB1 binds to the LIM domain of a wide variety of LIM domain-containing transcription factors. May regulate the transcriptional activity of LIM-containing proteins by determining specific partner interactions. May play a role in the development of motor neurons. Acts synergistically with LHX1/LIM1 in axis formation and activation of gene expression. Acts with LMO2 in the regulation of red blood cell development, maintaining erythroid precursors in an immature state (By similarity).

LDB1 Antibody (C-term) Blocking Peptide - References

Howard, P.W., et al. Biochem. Biophys. Res. Commun. 396(3):674-678(2010)Howard, P.W., et al. Biochem. J. 429(1):127-136(2010)Bhati, M., et al. EMBO J. 27(14):2018-2029(2008)Ryan, D.P., et al. Proteins 70(4):1461-1474(2008)Tran, Y.H., et al. J. Biochem. 140(1):105-119(2006)