LDB3 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	LDB3, Monoclonal Antibody
Full Product Name	LDB3 (LIM Domain-binding Protein 3, Protein Cypher, Z-band Alternatively Spliced PDZ-motif Protein, KIAA0613, ZASP) (MaxLight 750)
Product Gene Name	anti-LDB3 antibody
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	3C8
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human LDB3.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	78,504 Da
Immunogen	Full-length recombinant corresponding to aa1-284 from LDB3 (AAH10929) with GST tag. MW of the GST tag alone is 26kD.
Conjugate	MaxLight750
Product Categories/Family for anti-LDB3 antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-LDB3 antibody	FLISA, Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-LDB3 antibody	IF: 10ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-LDB3 antibody	MBS6233639 is an antibody targeting LDB3. Also known as LDB3 (LIM Domain-binding Protein 3, Protein Cypher, Z-band Alternatively Spliced PDZ-motif Protein, KIAA0613, ZASP) (MaxLight 750). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-LDB3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LDB3. It may not necessarily be applicable to this product.

NCBI GI #	34782880
NCBI GeneID	11155

NCBI Accession #	BC010929
NCBI Related Accession #	AAH10929
UniProt Secondary Accession #	Q5K6N9; Q5K6P0; Q5K6P1; Q96FH2; Q9Y4Z3; Q9Y4Z4; Q9Y4Z5; A2TDB7; A6NIV4; B4E3K3
UniProt Related Accession #	O75112
NCBI Official Full Name	Homo sapiens LIM domain binding 3, mRNA
NCBI Official Synonym Full Names	LIM domain binding 3
NCBI Official Symbol	LDB3
NCBI Official Synonym Symbols	MFM4; ZASP; CMD1C; CMH24; CMPD3; LVNC3; CYPHER; LDB3Z1; LDB3Z4; ORACLE; PDLIM6
Protein Family	LIM domain-binding protein
NCBI Protein Information	LIM domain-binding protein 3
NCBI Summary for LDB3	This gene encodes a PDZ domain-containing protein. PDZ motifs are modular protein-protein interaction domains consisting of 80-120 amino acid residues. PDZ domain-containing proteins interact with each other in cytoskeletal assembly or with other proteins involved in targeting and clustering of membrane proteins. The protein encoded by this gene interacts with alpha-actinin-2 through its N-terminal PDZ domain and with protein kinase C via its C-terminal LIM domains. The LIM domain is a cysteine-rich motif defined by 50-60 amino acids containing two zinc-binding modules. This protein also interacts with all three members of the myozenin family. Mutations in this gene have been associated with myofibrillar myopathy and dilated cardiomyopathy. Alternatively spliced transcript variants encoding different isoforms have been identified; all isoforms have N-terminal PDZ domains while only longer isoforms (1, 2 and 5) have C-terminal LIM domains. [provided by RefSeq, Jan 2010]
Research Articles on LDB3	**1.** this is the first family with Arrhythmogenic right ventricular cardiomyopathy where a mutation in LDB3 is associated with Arrhythmogenic right ventricular cardiomyopathy
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