abcam

Product datasheet

Anti-LDB3 antibody [EPR10126] - BSA and Azide free ab249656

Recombinant RabMAb

2 Images

Overview

Product name	Anti-LDB3 antibody [EPR10126] - BSA and Azide free
Description	Rabbit monoclonal [EPR10126] to LDB3 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** WB **Unsuitable for:** Flow Cyt,ICC/IF,IHC or IP
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	ab249656 is the carrier-free version of **ab171936**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR10126
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249656 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

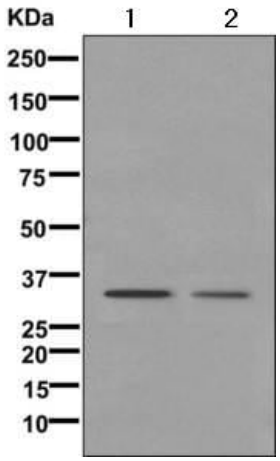
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 77 kDa.

Application notes Is unsuitable for Flow Cyt,ICC/IF,IHC or IP.

Target

Function	May function as an adapter in striated muscle to couple protein kinase C-mediated signaling via its LIM domains to the cytoskeleton.
Tissue specificity	Expressed primarily in skeletal muscle and to a lesser extent in heart. Also detected in brain and placenta.
Involvement in disease	Defects in LDB3 are the cause of cardiomyopathy dilated type 1C (CMD1C) [MIM:601493]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death. Defects in LDB3 are the cause of left ventricular non-compaction type 3 (LVNC3) [MIM:601493]. Left ventricular non-compaction is characterized by numerous prominent trabeculations and deep intertrabecular recesses in hypertrophied and hypokinetic segments of the left ventricle. Defects in LDB3 are the cause of myopathy myofibrillar ZASP-related (MFM-ZASP) [MIM:609452]. A neuromuscular disorder characterized by distal and proximal muscle weakness with signs of cardiomyopathy and neuropathy.
Sequence similarities	Contains 3 LIM zinc-binding domains. Contains 1 PDZ (DHR) domain.
Cellular localization	Cytoplasm > perinuclear region. Cell projection > pseudopodium. Cytoplasm > cytoskeleton. Cytoplasm > myofibril > sarcomere > Z line. Localized to the cytoplasm around nuclei and pseudopodia of undifferentiated cells and detected throughout the myotubes of differentiated cells. Colocalizes with ACTN2 at the Z-lines.

Images



Western blot - Anti-LDB3 antibody [EPR10126] - BSA and Azide free (ab249656)

All lanes : Anti-LDB3 antibody [EPR10126] (**ab171936**) at 1/1000 dilution

Lane 1 : A431 cell line lysate
Lane 2 : HT 1080 cell line lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat ant-rabbit HRP conjugated antibody at 1/500 dilution

Developed using the ECL technique.

Predicted band size: 77 kDa

This data was developed using **ab171936**, the same antibody clone in a different buffer formulation.

Anti-LDB3 antibody [EPR10126] - BSA and Azide free (ab249656)

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