abcam

Product datasheet

Anti-PLBD2 antibody [IGX4128H] ab213295

Recombinant

3 Images

Overview

Product name	Anti-PLBD2 antibody [IGX4128H]
Description	Human monoclonal [IGX4128H] to PLBD2
Host species	Human
Tested applications	**Suitable for:** WB, ELISA
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Recombinant fragment. This information is considered to be commercially sensitive.
Positive control	WB: Mouse Cerebellum tissue lysate
General notes	This product was made using **synthetic libraries and phage display technology**. This antibody is a recombinant antibody. Human monoclonal antibody.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA
Clonality	Monoclonal
Clone number	IGX4128H
Isotype	IgG1

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab213295 in the following tested applications.

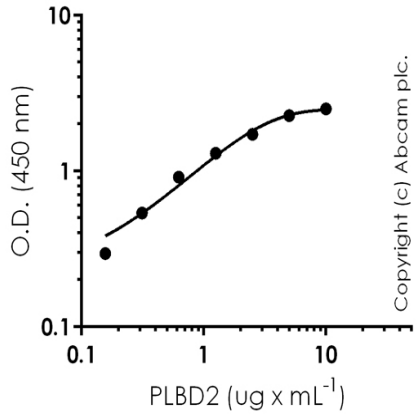
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 65 kDa.
ELISA		Use at an assay dependent concentration.

Target

Function	Putative phospholipase.
Tissue specificity	Ubiquitously expressed, with highest levels in heart, brain and liver.
Sequence similarities	Belongs to the phospholipase B-like family.
Post-translational modifications	The p76 protein is synthesized as a 80 kDa precursor which is then processed into a N-terminal 32 kDa form and a C-terminal 45 kDa form. Glycosylated; contains mannose 6-phosphate sugars.
Cellular localization	Lysosome lumen.

Images



ELISA - Anti-PLBD2 antibody [IGX4128H] (ab213295)

Different concentrations of immobilised recombinant fragment of human PLBD2 was recognised in an indirect ELISA by ab213295 (1 µg x mL^{-1}). The antibody was bound by peroxidase conjugated recombinant protein A at 0.2 µg x mL^{-1}. OD (background signal subtracted) shown on the y-axis.

Western blot - Anti-PLBD2 antibody [IGX4128H] (ab213295)

Anti-PLBD2 antibody [IGX4128H] (ab213295) at 1 µg/ml + Mouse Cerebellum Tissue Lysate at 10 µg

Secondary
HRP conjugated Goat Anti-Human IgG (H+L) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 65 kDa
Additional bands at: 42 kDa (possible cleavage fragment)

Exposure time: 20 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% Milk before being incubated with ab213295 overnight at 4°C. Antibody binding was detected using an anti-human antibody conjugated to HRP, and visualised using ECL development solution **ab133406**.

Anti-PLBD2 antibody [IGX4128H] (ab213295)

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