abcam

Product datasheet

Anti-GPAM antibody ab69990

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Overview

Product name	Anti-GPAM antibody
Description	Rabbit polyclonal to GPAM
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Rat
Immunogen	15 amino acid peptide near the carboxy terminus of the human GPAM (GenBank accession no. NP_065969).
Positive control	WB: Rat brain tissue lysate.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

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. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab69990 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	★★★★★ **(2)**	Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 80 kDa (predicted molecular weight: 94 kDa).

Target

Function Esterifies acyl-group from acyl-ACP to the sn-1 position of glycerol-3-phosphate, an essential step in glycerolipid biosynthesis.

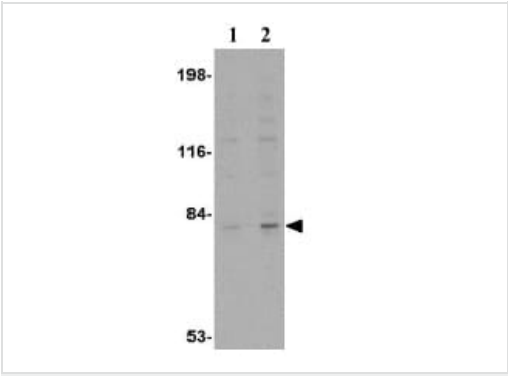
Pathway Phospholipid metabolism; CDP-diacylglycerol biosynthesis; CDP-diacylglycerol from sn-glycerol 3-phosphate: step 1/3.

Sequence similarities Belongs to the GPAT/DAPAT family.

Domain The HXXXXD motif is essential for acyltransferase activity and may constitute the binding site for the phosphate moiety of the glycerol-3-phosphate.

Cellular localization Mitochondrion outer membrane.

Images



Western blot - Anti-GPAM antibody (ab69990)

Lane 1 : Anti-GPAM antibody (ab69990) at 1 µg/ml

Lane 2 : Anti-GPAM antibody (ab69990) at 2 µg/ml

All lanes : Rat brain tissue lysate

Lysates/proteins at 15 µg per lane.

Predicted band size: 94 kDa

Observed band size: 80 kDa

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