abcam

Product datasheet

Anti-GAB2 antibody [EP369Y] ab32365

Recombinant   RabMAb

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Overview

Product name	Anti-GAB2 antibody [EP369Y]
Description	Rabbit monoclonal [EP369Y] to GAB2
Host species	Rabbit
Specificity	This antibody is predicted to detect the splice isoform 2 based on sequence homology.
Tested applications	**Suitable for:** WB **Unsuitable for:** ICC/IF,IHC or IP
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Synthetic peptide within Human GAB2 aa 600-700. The exact sequence is proprietary.
Positive control	WB: K562 cell lysates
General notes	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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP369Y

Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab32365 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		1/500. Detects a band of approximately 97 kDa (predicted molecular weight: 74 kDa).

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

Target

Function Adapter protein which acts downstream of several membrane receptors including cytokine, antigen, hormone, cell matrix and growth factor receptors to regulate multiple signaling pathways. Regulates osteoclast differentiation mediating the TNFRSF11A/RANK signaling. In allergic response, it plays a role in mast cells activation and degranulation through PI-3-kinase regulation. Also involved in the regulation of cell proliferation and hematopoiesis.

Sequence similarities Belongs to the GAB family.
Contains 1 PH domain.

Domain The SH3-binding motifs mediate interaction with SHC1 and GRB2.
The PH domain mediates phosphatidylinositol 3,4,5-trisphosphate and phosphatidylinositol 3,4-bisphosphate binding.
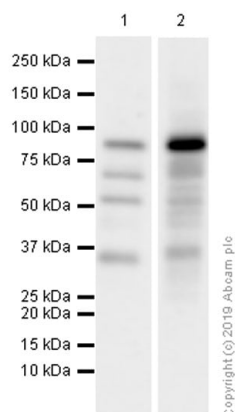
Post-translational modifications Phosphorylated on tyrosine residue(s) by the thrombopoietin receptor (TPOR), stem cell factor receptor (SCFR), and T-cell and B-cell antigen receptors, gp130, IL-2R and IL-3R (By similarity). Phosphorylated upon stimulation of TNFRSF11A/RANK by TNFSF11/RANKL (By similarity). Phosphorylated upon EGF stimulation. Phosphorylated on tyrosine residues by HCK upon IL6 signaling.
Dephosphorylated by PTPN11.

Cellular localization Cytoplasm. Cell membrane.

Images

Western blot - Anti-GAB2 antibody [EP369Y] (ab32365)

All lanes : Anti-GAB2 antibody [EP369Y] (ab32365) at 1/500 dilution

Lane 1 : K-562 (Human chronic myelogenous leukemia lymphoblast) cell lysate, prepared in RIPA lysis method

Lane 2 : K-562 (Human chronic myelogenous leukemia lymphoblast) cell lysate, prepared in 1% SDS Hot lysis method

Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 74 kDa
Observed band size: 97 kDa

We recommend to use 1%SDS Hot lysis prepare method to get desired Western Blot results.

Blocking/Diluting Buffer and concentration:
5% NFDM/TBST

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-GAB2 antibody [EP369Y] (ab32365)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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