


Product datasheet

Anti-GNAI3 antibody [EPR11900] ab176339

Recombinant RabMAb

★☆☆☆☆ [1 Abreviews](#) [5 Images](#)

Overview

Product name	Anti-GNAI3 antibody [EPR11900]
Description	Rabbit monoclonal [EPR11900] to GNAI3
Host species	Rabbit
Specificity	The peptide immunogen shares a 94% and 93% homology with human GNAI1 and GNAI2 respectively, therefore we believe cross-reactivity is highly likely but this has not been experimentally assessed.
Tested applications	Suitable for: Flow Cyt (Intra), IHC-P, WB Unsuitable for: ICC/IF or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human GNAI3 aa 300 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: P08754
Positive control	Fetal brain, Fetal kidney, and A431 lysates. Paraffin-embedded Human pancreas tissue, paraffin-embedded Human skeletal muscle tissue.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none">- 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 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: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

Purity Protein A purified
Clonality Monoclonal
Clone number EPR11900
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab176339 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
Flow Cyt (Intra)		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★☆☆☆☆ (1)	1/1000 - 1/10000. Predicted molecular weight: 41 kDa.

Application notes Is unsuitable for ICC/IF or IP.

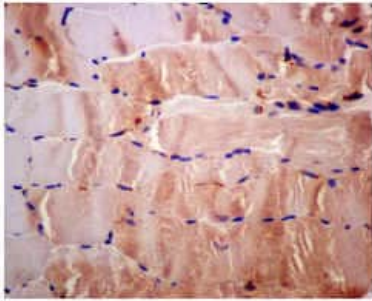
Target

Function Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. G(k) is the stimulatory G protein of receptor-regulated K(+) channels. The active GTP-bound form prevents the association of RGS14 with centrosomes and is required for the translocation of RGS14 from the cytoplasm to the plasma membrane. May play a role in cell division.

Sequence similarities Belongs to the G-alpha family. G(i/o/tz) subfamily.

Cellular localization Cytoplasm. Cell membrane. Cytoplasm > cytoskeleton > centrosome. Localizes in the centrosomes of interphase and mitotic cells. Detected at the cleavage furrow and/or the midbody.

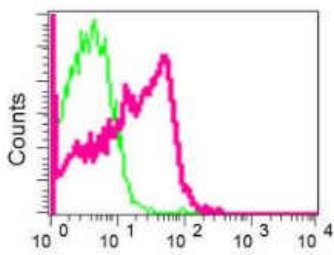
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GNAI3 antibody [EPR11900] (ab176339)

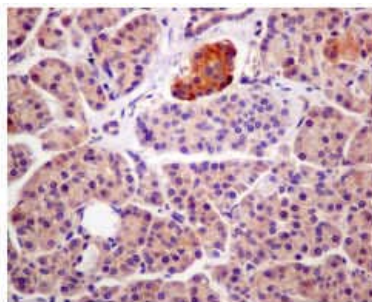
Immunohistochemical analysis of paraffin-embedded Human skeletal muscle tissue labeling GNAI3 with ab176339 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-GNAI3 antibody [EPR11900] (ab176339)

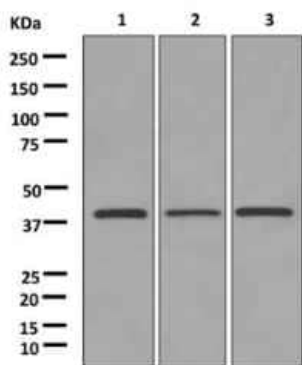
Intracellular flow cytometric analysis of permeabilized A431 cells labeling GNAI3 with ab176339 at 1/10 dilution (red) or a rabbit IgG (negative) (green).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GNAI3 antibody [EPR11900] (ab176339)

Immunohistochemical analysis of paraffin-embedded Human pancreas tissue labeling GNAI3 with ab176339 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-GNAI3 antibody [EPR11900] (ab176339)

All lanes : Anti-GNAI3 antibody [EPR11900] (ab176339) at 1/1000 dilution

Lane 1 : Fetal brain lysate





Lane 2 : Fetal kidney lysate

Lane 3 : A431 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 41 kDa

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-GNAI3 antibody [EPR11900] (ab176339)

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