


Product datasheet

Anti-GNAI3 antibody [EPR11894] α b173527

Recombinant RabMAb

★ ★ ★ ★ ★ [1 Abreviews](#) [2 References](#) [3 Images](#)

Overview

Product name	Anti-GNAI3 antibody [EPR11894]
Description	Rabbit monoclonal [EPR11894] to GNAI3
Host species	Rabbit
Specificity	The peptide immunogen shares a 92.9% homology with GNAI1 and GNAI2, therefore we believe cross-reactivity is highly likely but this has not been experimentally assessed.
Tested applications	Suitable for: WB, IP Unsuitable for: Flow Cyt, ICC/IF or IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Chicken, Guinea pig, Cow, Xenopus laevis 
Immunogen	Synthetic peptide within Human GNAI3 aa 1-100 (Cysteine residue). The exact sequence is proprietary. Database link: P08754
Positive control	WB: Human fetal brain, fetal kidney, HepG2 and A431 lysates. Immunoprecipitation pellet from Human fetal brain lysate.
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	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR11894
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab173527 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)	1/1000 - 1/10000. Predicted molecular weight: 41 kDa.
IP		1/10 - 1/100.

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

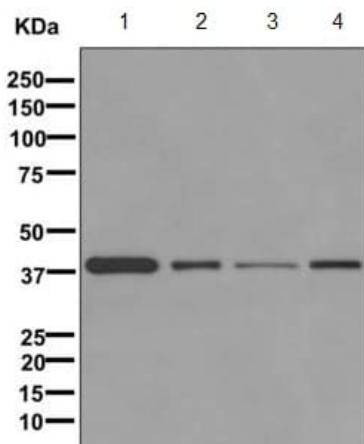
Target

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/t/z) 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



Western blot - Anti-GNAI3 antibody [EPR11894]
(ab173527)

All lanes : Anti-GNAI3 antibody [EPR11894] (ab173527) at 1/1000 dilution

Lane 1 : Human fetal brain lysates

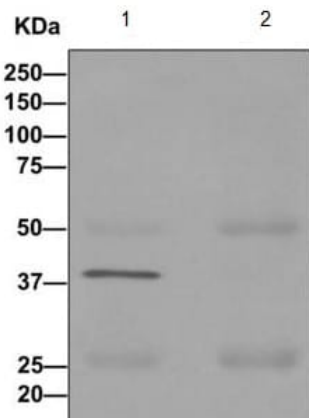
Lane 2 : Human fetal kidney lysates

Lane 3 : HepG2 lysates

Lane 4 : A431 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 41 kDa



Immunoprecipitation - Anti-GNAI3 antibody
[EPR11894] (ab173527)

Western blot analysis on immunoprecipitation pellet from (Lane 1) Human fetal brain lysate or (Lane 2) 1X PBS (negative control) using ab173527 at a 1/10 dilution, and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.

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 [EPR11894] (ab173527)

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- Response to your inquiry within 24 hours

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