

## Product datasheet

### Anti-GNAI2 antibody [EPR9468] ab137050

Recombinant RabMAb

[1 References](#) [3 Images](#)

#### Overview

<b>Product name</b>	Anti-GNAI2 antibody [EPR9468]
<b>Description</b>	Rabbit monoclonal [EPR9468] to GNAI2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), WB <b>Unsuitable for:</b> ICC/IF, IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	HL60, U937, MCF7, HeLa, U-87 MG, C6 and RAW 264.7 cell lysates; HeLa cells
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR9468
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab137050 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. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Predicted molecular weight: 40 kDa.

### Application notes

Is unsuitable for ICC/IF, IHC-P or IP.

## Target

### Function

Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The G(i) proteins are involved in hormonal regulation of adenylate cyclase: they inhibit the cyclase in response to beta-adrenergic stimuli. May play a role in cell division.

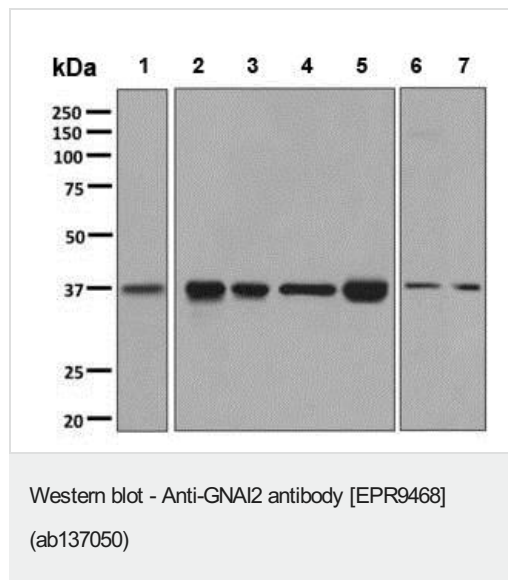
### Sequence similarities

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

### Cellular localization

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

## Images



**All lanes** : Anti-GNAI2 antibody [EPR9468] (ab137050) at 1/1000 dilution

**Lane 1** : HL60 cell lysate

**Lane 2** : U937 cell lysate

**Lane 3** : MCF7 cell lysate

**Lane 4** : HeLa cell lysate

**Lane 5** : U-87 MG cell lysate

**Lane 6** : C6 cell lysate

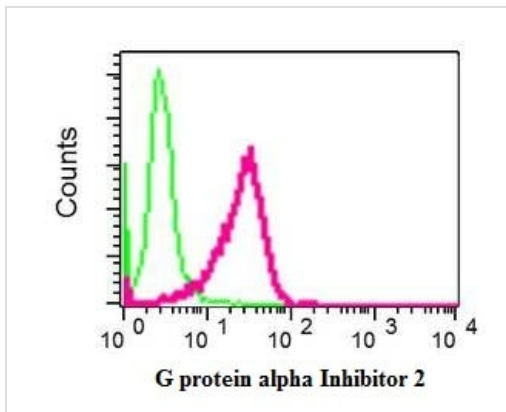
**Lane 7** : RAW 264.7 cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : HRP labelled Goat anti-Rabbit IgG at 1/2000 dilution





**Predicted band size:** 40 kDa



Intracellular flow cytometric analysis of permeabilized HeLa cells labelling GNAI2 with ab137050 at dilution 1/10 (red) or a Rabbit IgG negative control (green).

Flow Cytometry (Intracellular) - Anti-GNAI2 antibody [EPR9468] (ab137050)

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-GNAI2 antibody [EPR9468] (ab137050)

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

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