

Product datasheet

Anti-GNAI3 antibody ab89639

[2 Images](#)

Overview

Product name	Anti-GNAI3 antibody
Description	Mouse polyclonal to GNAI3
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Full length human GNAI3 protein.
Positive control	Human kidney tissue lysate. Cell lysate from transfected 293T cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 1 x PBS, pH 7.2
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab89639** 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		Use a concentration of 1 µg/ml. Predicted molecular weight: 41 kDa.

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.

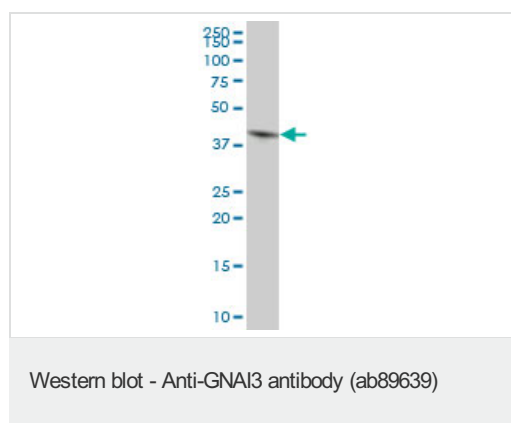
Sequence similarities

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

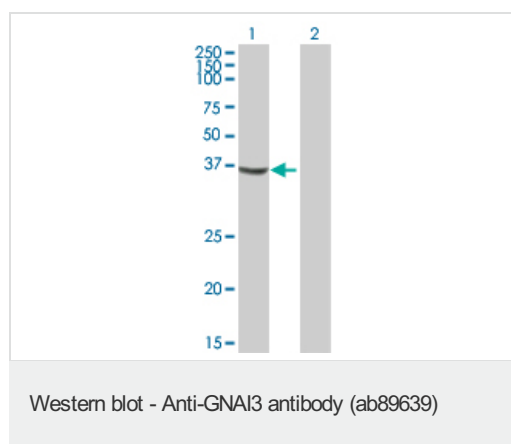


Anti-GNAI3 antibody (ab89639) at 1 µg/ml +
human kidney tissue lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 41 kDa

Observed band size: 41 kDa



All lanes : Anti-GNAI3 antibody (ab89639) at
1 µg/ml

Lane 1 : cell lysate from GNAI3 transfected
293T cells

Lane 2 : cell lysate from non transfected 293T
cells

Lysates/proteins at 25 µg per lane.

Developed using the ECL technique.

Predicted band size: 41 kDa

Observed band size: ~37 kDa

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