Product datasheet

Anti-G protein alpha S antibody ab97629

Overview

Product name: Anti-G protein alpha S antibody

Description: Rabbit polyclonal to G protein alpha S

Host species: Rabbit

Tested applications: Suitable for: WB

Species reactivity: Reacts with: Human

Predicted to work with: Mouse, Rat, Cow, Pig

Immunogen: Recombinant protein fragment corresponding to a region within amino acids 164 - 394 of Human G protein alpha S (AAH02722).

Positive control: 293T, A431, H1299, HeLa, HepG2, MOLT4 and Raji cell lysates

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: pH: 7.00
Preservative: 0.01% Thimerosal (merthiolate)
Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol

Purity: Immunogen affinity purified

Clonality: Polyclonal

Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab97629 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The \( G_s \) protein is involved in hormonal regulation of adenylate cyclase: it activates the cyclase in response to beta-adrenergic stimuli. Alternative splicing of downstream exons of the GNAS gene is observed, which results in different forms of the stimulatory G protein alpha subunit, a key element of the classical signal transduction pathway linking receptor-ligand interactions with the activation of adenyl cyclase and a variety of cellular responses. Multiple transcript variants have been found for this gene, but the full-length nature and/or biological validity of some variants have not been determined. Mutations in this gene result in pseudohypoparathyroidism type 1a, pseudohypoparathyroidism type 1b, Albright hereditary osteodystrophy, pseudopseudohypoparathyroidism, McCune-Albright syndrome, progressive osseus heteroplasia, polyostotic fibrous dysplasia of bone, and some pituitary tumors.

**Cellular localization**

Cell Membrane

**Images**

**Western blot - Anti-G protein alpha S antibody (ab97629)**

- **All lanes**: Anti-G protein alpha S antibody (ab97629) at 1/1000 dilution
- **Lane 1**: HepG2 whole cell lysate
- **Lane 2**: Raji whole cell lysate
- Lysates/proteins at 30 µg per lane.
- **Predicted band size**: 46 kDa

10% SDS PAGE

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

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