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GPSM1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12738c

Specification

GPSM1 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q86YR5

GPSM1 Antibody (Center) Blocking peptide - Additional Information

Gene ID 26086

Other Names
G-protein-signaling modulator 1, Activator of G-protein signaling 3, GPSM1, AGS3

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GPSM1 Antibody (Center) Blocking peptide - Protein Information

Name GPSM1

Synonyms AGS3

Function
Guanine nucleotide dissociation inhibitor (GDI) which functions as a receptor-independent activator of heterotrimeric G- protein signaling. Keeps G(i/o) alpha subunit in its GDP-bound form thus uncoupling heterotrimeric G-proteins signaling from G protein- coupled receptors. Controls spindle orientation and asymmetric cell fate of cerebral cortical progenitors. May also be involved in macroautophagy in intestinal cells. May play a role in drug addiction.

Cellular Location
Cytoplasm, cytosol. Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane; Peripheral membrane protein; Cytoplasmic side

Tissue Location
Expressed in intestinal cells.

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GPSM1 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

GPSM1 Antibody (Center) Blocking peptide - Images

GPSM1 Antibody (Center) Blocking peptide - Background

G proteins propagate intracellular signals initiated by Gprotein-coupled receptors. GPSM1, a receptor-independent activatorof G protein signaling, is one of several factors that influencethe basal activity of G protein signaling systems (Pizzinat et al.,2001 [PubMed 11278352]).

GPSM1 Antibody (Center) Blocking peptide - References

Oner, S.S., et al. J. Biol. Chem. 285(44):33949-33958(2010)Davila, S., et al. Genes Immun. 11(3):232-238(2010)Vural, A., et al. Mol. Cell. Biol. 30(6):1528-1540(2010)Groves, B., et al. PLoS ONE 5 (1), E8877 (2010) :An, N., et al. J. Biol. Chem. 283(36):24718-24728(2008)