

Product datasheet

RGS17 / RGSZ2 peptide ab45469

製品の概要

製品名 RGS17 / RGSZ2 peptide

製品の詳細

由来 Synthetic

アミノ酸配列

配列 DMGNQHPSISRLQ-C

特性

Our [Abpromise guarantee](#) covers the use of **ab45469** in the following tested applications.

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

アプリケーション Blocking

製品の状態 Liquid

前処理および保存

保存方法および安定性 Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

関連情報

機能 Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds selectively to G(z)-alpha and G(alpha)-i2 subunits, accelerates their GTPase activity and regulates their signaling activities. The G(z)-alpha activity is inhibited by the phosphorylation and palmitoylation of the G-protein. Negatively regulates mu-opioid receptor-mediated activation of the G-proteins.

組織特異性 Predominantly expressed in the cerebellum. Also expressed in the cortex and medulla. Weakly expressed in a number of peripheral tissues notably spleen, lung and leukocytes.

配列類似性 Contains 1 RGS domain.

翻訳後修飾 Fatty acylated. Heavily palmitoylated in the cysteine string motif.
N- and O-glycosylated in synapsomal membranes.
Serine phosphorylated in synapsomal membranes.
Sumoylated by SUMO1 and SUMO2 in synaptosomes. The sumoylated forms act as a scaffold for

sequestering mu-opioid receptor-activated G(alpha) subunits.

細胞内局在

Membrane. Nucleus. Cytoplasm. Shuttles between the cytoplasm/cell membrane and the nucleus.
Anchored to the membrane through palmitoylation.

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