PRODUCT INFORMATION

GPR12 (N-Term) Polyclonal Antibody
Item No. 14267

Overview and Properties

Contents: This vial contains peptide affinity purified polyclonal antibody.
Synonym: G Protein-Coupled Receptor 12
Immunogen: Synthetic peptide from the N-terminal region of human GPR12
Species Reactivity: (+) Human, other species not tested
Uniprot No.: P47775
Form: Lyophilized
Storage: -20°C (as supplied)
Stability: ≥2 years
Storage Buffer: TBS, pH 7.4 when reconstituted in 500 µl deionized water
Host: Rabbit
Applications: Flow cytometry (FC) and immunocytochemistry (ICC); the recommended starting dilution for FC is 1:200 and 1:100 for ICC. Other applications were not tested, therefore optimal working concentration/dilution should be determined empirically.

Image

Black: Blank
Red: Normal Rabbit IgG-FITC (0.01 µg/ml)
Yellow: GPR12 N-Term (1 µg/ml)
Blue: GPR12 N-Term (5 µg/ml)

A549 cells were fixed with cytopsin solution (methanol and carbobax), blocked with 5% normal goat serum, and washed between steps. Samples were gated to exclude debris. FITC was detected in the FL1 channel of an Accuri C6 flow cytometer. Immune complexes were detected with Goat anti-rabbit FITC at 1:200.

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Description

G protein-coupled receptor 12 (GPR12) is a high affinity receptor for sphingosine-1-phosphate, sphingosyl-phosphorylcholine and tyrosol that is expressed in brain, pituitary, ovary, and testis tissues.1-5 GPR12 plays a role in neuronal differentiation, neuronal growth and the formation of synaptic contacts.2,5 Cayman’s GPR12 receptor (N-Term) polyclonal antibody can be used for flow cytometry and immunocytochemistry of GPR12 on human samples.

References