
GPR3 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254075

Unit: 0.1 mg

Description:

GPR3, also known as ACCA, is a G-protein coupled receptor that constitutively activates adenylate cyclase and is highly expressed in the central nervous system. Overexpression of GPR3 stimulates the production of amyloid-beta peptide (Abeta), the deposition of which is one of the pathological hallmarks of Alzheimer's disease (AD), while the ablation of GPR3 prevented the accumulation of Abeta in vitro and in an AD mouse model. This is of particular interest because of the proximity of a reported candidate Alzheimer's disease (AD) locus, suggesting that GPR3 may be a potential therapeutic target for the treatment of AD. GPR3 has also been shown to block the proliferation of cerebellar granule cell precursors (GCP) during postnatal development by inhibiting the Shh-induced proliferation of GCP, indicating that GPR3 activation may represent one of the signals that triggers the postnatal cell cycle exit and terminal differentiation of GPCs.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: GPR3; G-protein coupled receptor 3; adenylate cyclase constitutive activator; ACCA

Accession No.: P46089

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human GPR3.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.