

Recombinant GIRK2 Monoclonal Antibody

catalog number: AN301972L

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Mouse
Immunogen	Peptide. This information is proprietary to PTMab.
Host	Rabbit
Isotype	Rabbit IgG
Clone	C531593
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:2000-1:5000
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Data

Western Blot with GIRK2 Monoclonal Antibody at dilution of 1:5000. Lane 1: Mouse liver (Negative control) ,Lane 2:

Mouse brain

Observed-MW: 40, 48 kDa

Calculated-MW: 48 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

GIRK2 is a member of G protein-coupled inwardly rectifying potassium channel family proteins (GIRKs). GIRK family proteins allow potassium to flow into the cell and therefore control cellular excitability in the central nervous system, heart, and pancreas. Activation of most GIRK channels requires heterologous subunit assembly and the presence of ATP. GIRK2 is abundantly expressed in the brain, where it is involved in pain perception. It is also required for peripheral opioid-mediated analgesia. Additionally GIRK2 localizes to pancreatic β cells and regulates insulin secretion. Mutations in the KCNJ6 gene encoding GIRK2 are associated with Keppen-Lubinsky Syndrome, a rare disease characterized by severe developmental delay, facial dysmorphism, and intellectual disability.

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