

GPR35 polyclonal antibody

Catalog: BS35370

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

G protein-coupled receptor that binds to several ligands including the tryptophan metabolite kynurenic acid (KYNA), lysophosphatidic acid (LPA) or 5-hydroxyindoleacetic acid (5-HIAA) with high affinity, leading to rapid and transient activation of numerous intracellular signaling pathways. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase. GPR35 can couple with G(i)/G(o)- or G(12)/G(13) classes of G alpha proteins depending on the context, mediating the inhibition of adenylate cyclase or activation Rho small GTPases, respectively. KYNA-binding promotes monocyte adhesion to vascular endothelium under flow conditions, leading to G(i)/GNAI1 activation and inhibition of adenylate cyclase. Involved in cardioprotection during ischemia by pr...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~34.1 kDa

Swiss-Prot:

Q9HC97

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IF/ICC (1/50 - 1/200)

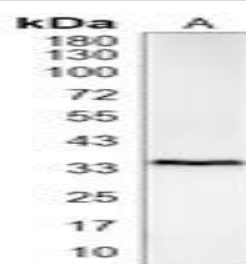
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of GPR35 protein

DATA:



Western blot analysis of Pim-1 expression in Jurkat (A) whole cell lysates.

Immunohistochemical analysis of Pim-1 staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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