GPR65 polyclonal antibody

Catalog: BS33296 Host: Rabbit Reactivity: Human, Mouse

BackGround:

G protein-coupled receptor 65: Proton-sensing G protein-coupled receptor activated by extracellular pH, which is required to monitor pH changes and generate adaptive reactions . Activated by an optimal pH of 7.4 . 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 . GPR65 is mainly coupled to G(s) G proteins and mediates activation of adenylate cyclase activity . May also act as a receptor for the glycosphingolipid psychosine (PSY) and several related glycosphingolipids . Plays a role in immune response by maintaining lysosome function and regulating T-cell metabolism . Acts as a regulator of inflammation by mediating pH-sensing of extracellular acidification which takes place in inflamed tissues: activation regulates endo-lysosomal function of immune cells and T-cell m...

Product:

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

Molecular Weight:

~39.3 kDa

Swiss-Prot:

Q8IYL9

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℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of GPR65 protein

DATA:

Western blot analysis of Fibrinogen alpha expression in human blood plasma (A) whole cell lysates.

Immunohistochemical analysis of Fibrinogen alpha staining in human breast carcinoma 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.

Immunofluorescent analysis of Anti-Fibrinogen alpha staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 ℃ in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Note:

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

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