RTP4 polyclonal antibody

Catalog: BS35862 Host: Rabbit Reactivity: Human, Mouse

BackGround:

Receptor-transporting protein 4: Chaperone protein that facilitates the trafficking and functional cell surface expression of some G protein-coupled receptors (GPCRs) . Promotes functional expression of the bitter taste receptor TAS2R16 . Also promotes functional expression of the opioid receptor heterodimer OPRD1-OPRM1 (By similarity). In addition, acts as a potent IFN-inducible suppressor of pathogens including lyssavirus rabies, influenza A or yellow fever virus . Mechanistically, associates with the viral replicase, binds viral RNA, and thereby suppresses viral genome amplification that replicates at the endoplasmic reticulum (By similarity). In addition, restores antiviral signaling by interacting with and sequestering influenza A virus protein NS1

Product:

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

Molecular Weight:

~27.9 kDa

Swiss-Prot:

Q96DX8

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

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

Specificity:

Recognizes endogenous levels of RTP4 protein

DATA:

Western blot analysis of Beta-2 Adrenergic Receptor expression in A549 (A) whole cell lysates.

Immunohistochemical analysis of Beta-2 Adrenergic Receptor staining in human prostate 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 Beta-2 Adrenergic Receptor staining in A549 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 an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Note:

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

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