

**MRGPRES polyclonal antibody**

Catalog: BS35382

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Mas-related G protein-coupled receptor member E: G protein-coupled receptor for L-tryptanocholate (Trp-CA), an amino-acid-conjugated bile acid produced by the microbiome, which regulates glucose homeostasis. Expressed in enteroendocrine L cells of the gut epithelium: Trp-CA binding causes a conformation change that triggers signaling via G(s) G protein, mediating activation of adenylate cyclase activity. In addition to G(s), MRGPRES also associates with beta-arrestin-1 (ARRB1), promoting phosphorylation of ALDOA. Both G(s) and beta-arrestin-1 signaling pathways improves glucose tolerance by enhancing GLP-1 secretion

Product:

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

Molecular Weight:

~34.3 kDa

Swiss-Prot:

Q86SM8

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (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 MRGPRES protein

DATA:

Western blot analysis of TGF alpha expression in U2OS (A), mouse heart (B), rat heart (C) whole cell lysates.

Immunohistochemical analysis of TGF alpha staining in human breast 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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