RAMP3 polyclonal antibody

Catalog: BS61875 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Receptor activity-modifying proteins (RAMPs) are transmembrane accessory proteins that influence the pharmacological profiles of the calcitonin receptor-like receptors (CRLR). RAMPs associate with CRLR in the endoplasmic reticulum and facilitate the glycosylation and transport of CRLR to the cell surface, where the mature protein then operates as a receptor for two structurally related vasodilatory peptides, calcitonin-gene-related peptide (CGRP) or adrenomedullin (ADM). RAMP-1 associating with CRLR confers a CGRP receptor, while RAMP-2 and RAMP-3 preferentially induce a responsiveness to ADM. RAMP proteins, including RAMP-1, RAMP-2 and RAMP-3, are structurally similar as they are type I receptors, which have a single extracellular N-terminus and a cytoplasmic C-terminus, and they share approximately 55% sequence similarity. RAMP-1 expression is highest in the uterus, brain and gastrointestinal tract, whereas RAMP-2 and RAMP-3 are highest in lung, breast and fetal tissues.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 16 kDa

Swiss-Prot:

O60896

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

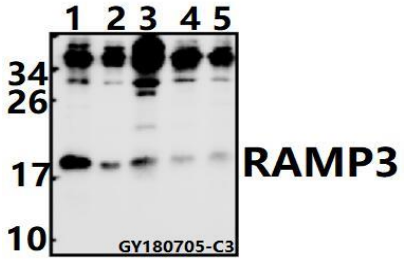
Storage&Stability:

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

Specificity:

RAMP3 pAb detects endogenous levels of RAMP3 protein.

DATA:



Western blot (WB) analysis of RAMP3 pAb at 1:500 dilution

Lane1:H1792 whole cell lysate(20ug)

Lane2:MCF-7 whole cell lysate(10ug)

Lane3:Myla2059 whole cell lysate(40ug)

Lane4:3T3-L1 whole cell lysate(40ug)

Lane5:PMVEC whole cell lysate(40ug)

Note:

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

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