bs-1567R

[Primary Antibody]

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RAMP1 Rabbit pAb

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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 10267 **SWISS:** 060894

Target: RAMP1

Immunogen: KLH conjugated synthetic peptide derived from human RAMP1:

118-148/148. < Cytoplasmic >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: The protein encoded by this gene is a member of the RAMP family

of single transmembrane domain proteins, called receptor (calcitonin) activity modifying proteins (RAMPs). RAMPs are type I transmembrane proteins with an extracellular N terminus and a cytoplasmic C terminus. RAMPs are required to transport calcitonin receptor like receptor (CRLR) to the plasma membrane. CRLR, a receptor with seven transmembrane domains, can function as either a calcitonin gene related peptide (CGRP) receptor or an adrenomedullin receptor, depending on which members of the RAMP family are expressed. In the presence of this (RAMP1) protein, CRLR functions as a CGRP receptor. The RAMP1 protein is

involved in the terminal glycosylation, maturation, and presentation of the CGRP receptor to the cell surface.

Applications: WB (1:500-2000)

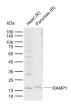
ELISA (1:5000-10000)

Reactivity: Human, Rat

Predicted MW.: 14 kDa

Subcellular Cell membrane Location:

VALIDATION IMAGES



Sample: Lane 1: Rat Heart tissue lysates Lane 2: Rat Pancreas tissue lysates Primary: Anti- RAMP1 (bs-1567R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 14 kDa Observed band size: 16 kDa

— SELECTED CITATIONS –

- [IF=3.9] Blanca E. Callejas. et al. Calcitonin gene-related peptide promotes epithelial reparative and anti-colitic functions of IL-4 educated human macrophages. AM J PHYSIOL-GASTR L. 2024 Oct;(Articles in Press): IF; Human. 39378308
- [IF=2.605] Pauza AG et al. Alterations in enteric calcitonin gene-related peptide in patients with colonic diverticular disease. (2018) Autonomic Neuroscience. Sep 18. pii: S1566-0702(18)30176-0 IF; Human. 30274796
- [IF=1.86] Qiao, Xi, et al. "Intermedin is upregulated and attenuates renal fibrosis by inhibition of oxidative stress in rats with unilateral ureteral obstruction." Nephrology (2015). WB; Rat. 26014968