

bs-1567R**[Primary Antibody]****RAMP1 Rabbit pAb****BioSS**
ANTIBODIES

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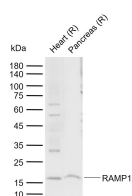
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DATASHEET

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: Human, Rat
GeneID: 10267	SWISS: O60894	
Target: RAMP1		
Immunogen: KLH conjugated synthetic peptide derived from human RAMP1: 118-148/148. < Cytoplasmic >		Predicted MW.: 14 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane
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.		

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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.