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RAMP3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant RAMP3.
Catalog # AT3559a

Product Information

Application	WB, E
Primary Accession	O60896
Other Accession	BC022304
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	1C11
Calculated MW	16518

Additional Information

Gene ID	10268
Other Names	Receptor activity-modifying protein 3, Calcitonin-receptor-like receptor activity-modifying protein 3, CRLR activity-modifying protein 3, RAMP3
Target/Specificity	RAMP3 (AAH22304.1, 24 a.a. ~ 148 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	RAMP3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

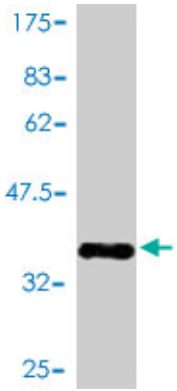
Background

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 (RAMP3) protein, CRLR functions as an adrenomedullin receptor.

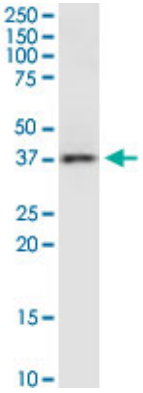
References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Functional characterization of two human receptor activity-modifying protein 3 variants. Bailey RJ, et al. Peptides, 2010 Apr. PMID 20034525.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.Molecular basis of association of receptor activity-modifying protein 3 with the family B G protein-coupled secretin receptor. Harikumar KG, et al. Biochemistry, 2009 Dec 15. PMID 19886671.Functions of the extracellular histidine residues of receptor activity-modifying proteins vary within adrenomedullin receptors. Kuwasako K, et al. Biochem Biophys Res Commun, 2008 Dec 5. PMID 18835256.

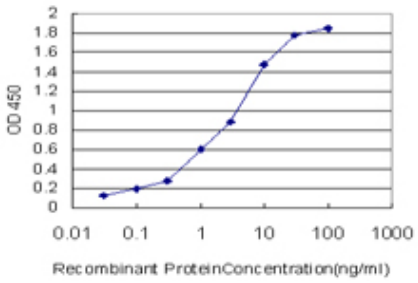
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (39.49 KDa) .



RAMP3 monoclonal antibody (M01), clone 1C11. Western Blot analysis of RAMP3 expression in Jurkat.



Detection limit for recombinant GST tagged RAMP3 is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.