Product Datasheet

RAMP1 Antibody NBP1-20966

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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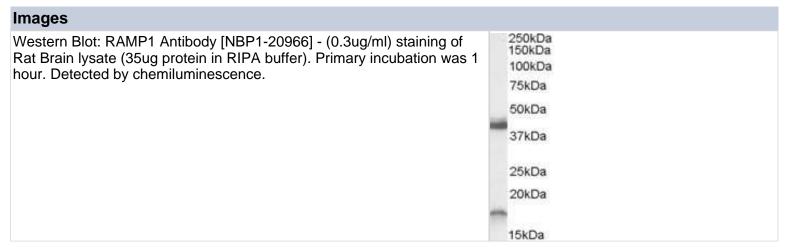
NBP1-20966

RAMP1 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Does Lord Described to a	

Product Description		
Goat		
10267		
RAMP1		
Rat		
This antibody is expected to recognize isoform 1 (NP_058590.1) only.		
Peptide with sequence C-DYQSKRTEGIV corresponding to C-Terminus according to NP_848488.2.		

Product Application Details	
Applications	Western Blot, Peptide ELISA
Recommended Dilutions	Western Blot 0.3 - 1 ug/ml, Peptide ELISA Detection limit 1:64000
Application Notes	WB: Experiments gave bands at approx. 18 kDa band and 40 kDa band in rat brain lysate after 0.3ug/ml antibody staining. The appearance of a band with much higher molecular weight corresponds to earlier findings in scientific literature with different antibodies (PMID: 11535606). This protein has a calculated MW of 16.9 kDa band according to mouse NP_058590.1 and 16.8 kDa band according to rat NP_113833.1.





Publications

Tsujikawa K, Yayama K, Hayashi T et al. Hypertension and dysregulated proinflammatory cytokine production in receptor activity-modifying protein 1-deficient mice. Proc Natl Acad Sci U S A 2007-10-16 [PMID: 17923674]

Guo TZ, Wei T, Li WW et al. Immobilization contributes to exaggerated neuropeptide signaling, inflammatory changes, and nociceptive sensitization after fracture in rats. J Pain 2014-07-22 [PMID: 25063543] (WB, Rat)

Details:

RAMP1 antibody used for WB in hind paw skin of Rats after 4 weeks of cast immobilization of a tibia fracture (Fx +cast), cast immobilization alone (Cast) or after fracture with intramedullary pinning with early mobilization (Fx+pin) - Figure 2C

Shi X, Wang L, Clark JD, Kingery WS. Keratinocytes express cytokines and nerve growth factor in response to neuropeptide activation of the ERK1/2 and JNK MAPK transcription pathways. Regul Pept. 2013-08-17 [PMID: 23958840] (WB, Rat)

Hilairet S, Belanger C, BertrJ et al. Agonist-promoted internalization of a ternary complex between calcitonin receptor-like receptor, receptor activity-modifying protein 1 (RAMP1), and beta-arrestin. J Biol Chem 2001-11-01 [PMID: 11535606]





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Products Related to NBP1-20966

HAF017 Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish

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HAF109 Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish

Peroxidase)]

NB410-28088-1mg Goat IgG Isotype Control

NBP2-51534-0.05mg Recombinant Human RAMP1 His Protein

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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