

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

Product Description	
Host	Goat
Gene ID	10267
Gene Symbol	RAMP1
Species	Rat
Specificity/Sensitivity	This antibody is expected to recognize isoform 1 (NP_058590.1) only.
Immunogen	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.

Images

Western Blot: RAMP1 Antibody [NBP1-20966] - (0.3ug/ml) staining of Rat Brain lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

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 Peroxidase)]
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

Limitations

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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