

Product Datasheet

RAMP1 Antibody NBP1-20966

Unit Size: 0.1 mg

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

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Publications: 4

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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	
Description	Novus Biologicals Goat RAMP1 Antibody (NBP1-20966) is a polyclonal antibody validated for use in WB and ELISA. Anti-RAMP1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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.



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)

Hilaret 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

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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

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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