

Product Datasheet

Nicotinic Acetylcholine R alpha 4/CHRNA4 Antibody NBP1-00143

Unit Size: 0.1 mg

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

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NBP1-00143**Nicotinic Acetylcholine R alpha 4/CHRNA4 Antibody**

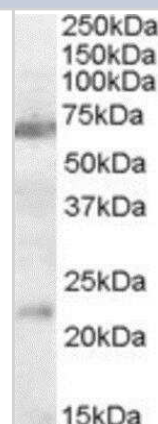
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	1137
Gene Symbol	CHRNA4
Species	Human, Rat
Specificity/Sensitivity	This antibody is expected NOT to cross-react with the similar alpha 2 subunit.
Immunogen	Peptide with sequence C-HVETRAHAEERLLKK corresponding to internal region according to NP_000735.1.

Product Application Details	
Applications	Western Blot, Peptide ELISA, Immunoprecipitation (Negative)
Recommended Dilutions	Western Blot 1 - 3 ug/ml, Peptide ELISA Detection limit 1:64000, Immunoprecipitation (Negative)
Application Notes	IP: Not suitable. WB: Approx. 70 kDa band observed in rat brain lysates (calculated MW of 70.0 kDa band according to human NP_000735.1 and of 70.2 kDa band according to rat NP_077330.1). An additional band of unknown identity was also consistently observed at 22 kDa. This band was successfully blocked by incubation with the immunizing peptide. An anonymous customer has reported ~75 kDa band in both human and rat tissues as the glycoprotein.

Images

Western Blot: Nicotinic Acetylcholine R alpha 4/CHRNA4 Antibody [NBP1-00143] - Analysis of Nicotinic Acetylcholine Receptor alpha 4 in Rat Brain lysate (35ug protein in RIPA buffer) using this antibody at 0.3ug/ml. Primary incubation was 1 hour. Detected by chemiluminescence.

**Publications**

Schwarz J, Schwarz SC, Dorigo O et al. Enhanced expression of hypersensitive alpha4* nAChR in adult mice increases the loss of midbrain dopaminergic neurons. FASEB J 2006-05-01 [PMID: 16675851]





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-00143

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
H00001137-Q01-10ug	Recombinant Human Nicotinic Acetylcholine R alpha 4/CHRNA4 GST (N-Term) 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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