

# 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**

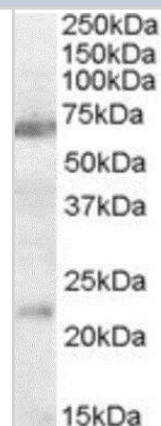
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat Nicotinic Acetylcholine R alpha 4/CHRNA4 Antibody (NBP1-00143) is a polyclonal antibody validated for use in WB and ELISA. Anti-Nicotinic Acetylcholine R alpha 4/CHRNA4 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
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]





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### **Products Related to NBP1-00143**

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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

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### **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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