

# Product Datasheet

## Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody - BSA Free NBP1-79948

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-79948**

Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS, 2% Sucrose
Target Molecular Weight	56 kDa

Product Description	
Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	1139
Gene Symbol	CHRNA7
Species	Human, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 28763248).
Immunogen	Synthetic peptide directed towards the N terminal of human CHRNA7. Peptide sequence QGEFQRKLYKELVKNYNPLERPVANDSQPLTVYFSLSLQIMDVDEKNQV. The peptide sequence for this immunogen was taken from within the described region.

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1.0 ug/ml

**Images**

Western Blot: Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody [NBP1-79948] - Host: Rat. Target Name: CHRNA7. Sample Tissue: Rat Brain. Antibody Dilution: 1ug/ml

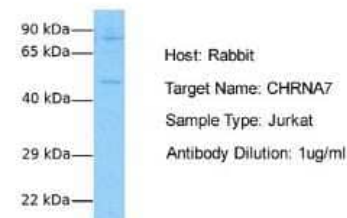


Western Blot: Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody [NBP1-79948] - MDA-MB-435S Cell lysates, Antibody Dilution: 1.0 ug/ml.



Western Blot: Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody [NBP1-79948] - Sample Tissue: Human Jurkat Antibody Dilution: 1.0 ug/ml

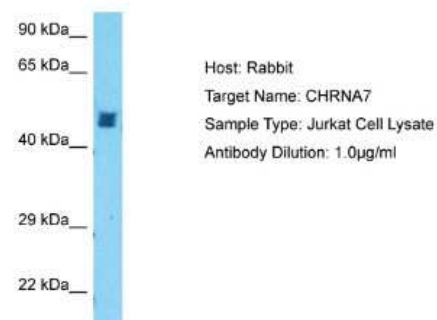
### CHRNA7



Western Blot: Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody [NBP1-79948] - Reccomended Titration: 2.5 ug/ml Positive Control: HepG2 cell lysate



Western Blot: Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody [NBP1-79948] - Host: Rabbit. Target Name: CHRNA7. Sample Tissue: Human Jurkat Whole Cell. Antibody Dilution: 1ug/ml



## Publications

Kho W, von Haefen C, Paeschke N et al. Dexmedetomidine Restores Autophagic Flux, Modulates Associated microRNAs and the Cholinergic Anti-inflammatory Pathway upon LPS-Treatment in Rats *Journal of Neuroimmune Pharmacology* 2022-06-01 [PMID: 34357471] (Western Blot)

Garg BK, Loring RH. Evaluating Commercially Available Antibodies for Rat alpha7 Nicotinic Acetylcholine Receptors *J. Histochem. Cytochem.* 2017-09-01 [PMID: 28763248] (WB, Rat)





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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00001139-Q01-10ug	Recombinant Human Nicotinic Acetylcholine R alpha 7/CHRNA7 Protein

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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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