

Product Datasheet

Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody NBP1-52375

Unit Size: 0.05 mg

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

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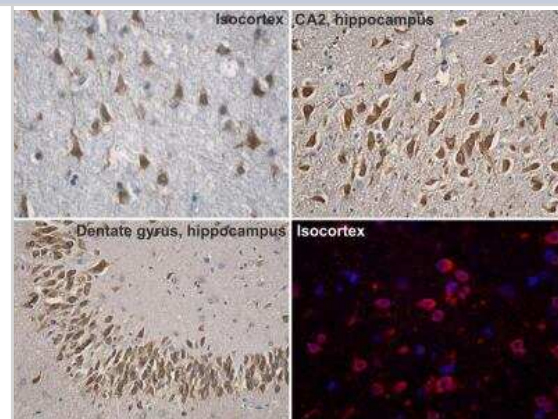


NBP1-52375**Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody**

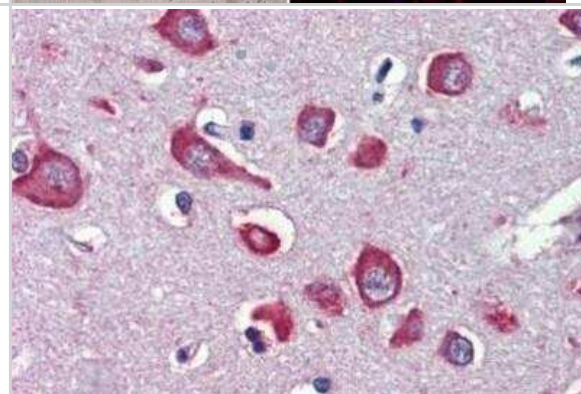
Product Information	
Unit Size	0.05 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	TBS (pH 7.3) and 0.5% BSA
Product Description	
Host	Goat
Gene ID	1139
Gene Symbol	CHRNA7
Species	Human, Porcine, Bovine, Canine, Chicken, Equine, Monkey
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Gorilla (100%), Gibbon (100%), Marmoset (88%), Xenopus (88%), Zebrafish (88%), Bat (81%).
Specificity/Sensitivity	Human CHRNA7. This antibody also reacts with CHRNA7-FAM7A fusion isoform 1 (NP_647536.1) and isoform 2 (NP_683709.1).
Immunogen	Peptide with sequence KRPGEDKVRPACQHKQ, from the internal region of the Nicotinic Acetylcholine R alpha 7/CHRNA7 protein sequence according to NP_000737.1.
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin 3-6 ug/ml, Peptide ELISA 1:128000
Application Notes	Use in WB reported in scientific literature (PMID:33850935) IHC: NBP1-52375 was validated for use in IHC on a panel of 21 IHC-P (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity.

Images

Immunohistochemistry-Paraffin: Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody [NBP1-52375] - Analysis of anti-CHRNA7 antibody with human hippocampus and isocortex. Image from verified customer review.



Immunohistochemistry-Paraffin: Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody [NBP1-52375] - Analysis of anti-CHRNA7 antibody with human brain, cortex at concentration 3 ug/ml.



Publications

Maggi F, Rosellini A, Spezia PG et al. Nicotine upregulates ACE2 expression and increases competence for SARS-CoV-2 in human pneumocytes ERJ open research 2021-04-01 [PMID: 33850935] (WB, Human)

Mogoanta L, Ciurea M, Pirici I et al. Different dynamics of aquaporin 4 and glutamate transporter 1 distribution in the perineuronal and perivascular compartments during ischemic stroke. Brain Pathol. 2014-02-27 [PMID: 24571080] (IHC-P, Human)



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Products Related to NBP1-52375

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
H00001139-Q01-10ug	Recombinant Human Nicotinic Acetylcholine R alpha 7/CHRNA7 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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