

Product Datasheet

Muscarinic Acetylcholine Receptor M2/CHRM2 Antibody - BSA Free NLS1331

Unit Size: 0.05 ml

Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.

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NLS1331**Muscarinic Acetylcholine Receptor M2/CHRM2 Antibody - BSA Free****Product Information**

Unit Size	0.05 ml
Concentration	1.0 mg/ml
Storage	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description

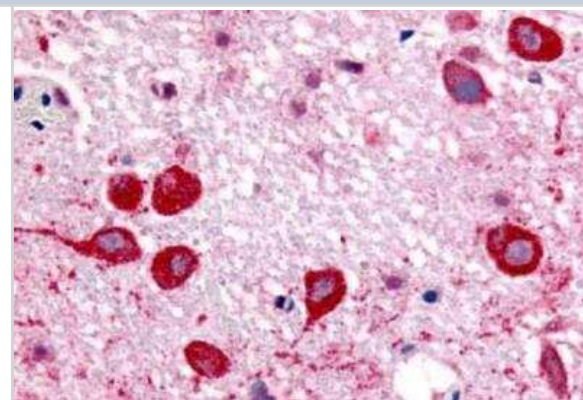
Description	Product can be stored undiluted at 4C for up to 1 month.
Host	Rabbit
Gene ID	1129
Gene Symbol	CHRM2
Species	Human, Mouse, Rat, Porcine, Bat, Bovine, Canine, Guinea Pig, Hamster, Primate, Monkey, Rabbit, Sheep
Specificity/Sensitivity	Human CHRM2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Immunogen	Synthetic 16 amino acid peptide from 3rd cytoplasmic domain of human Muscarinic Acetylcholine Receptor M2/CHRM2.

Product Application Details

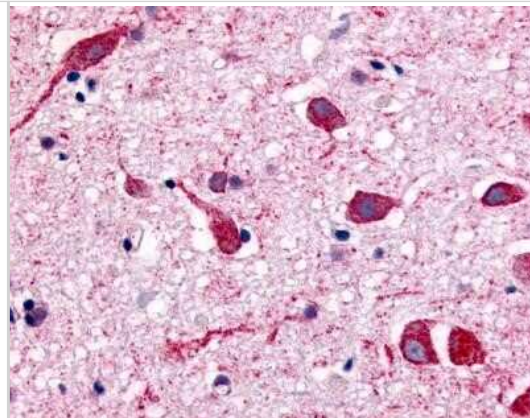
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 4 ug/ml

Images

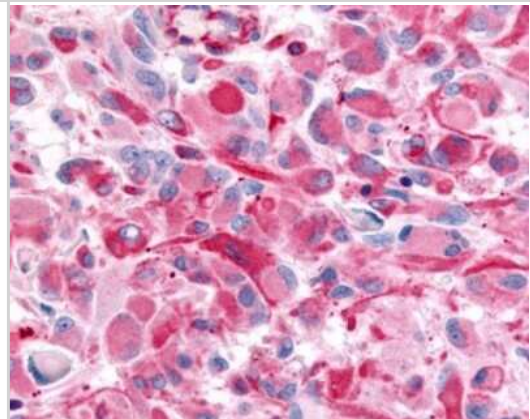
Immunohistochemistry-Paraffin: Muscarinic Acetylcholine Receptor M2/CHRM2 Antibody [NLS1331] - Brain, Hypothalamus.



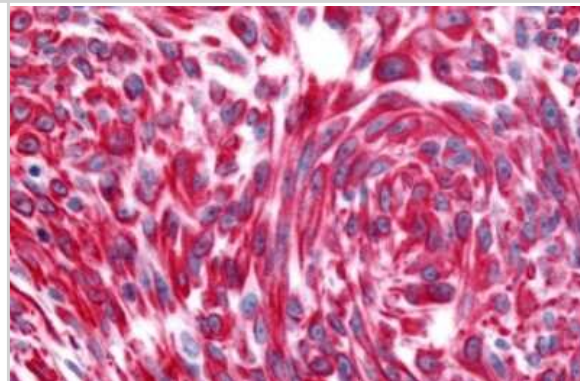
Immunohistochemistry-Paraffin: Muscarinic Acetylcholine Receptor M2/CHRM2 Antibody [NLS1331] - Analysis of anti-CHRM2 / M2 antibody with human brain, neurons and glia.



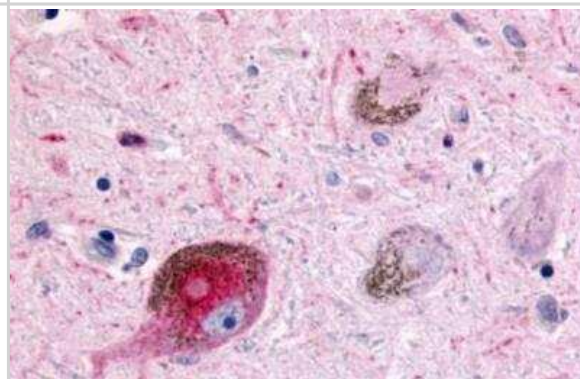
Immunohistochemistry-Paraffin: Muscarinic Acetylcholine Receptor M2/CHRM2 Antibody [NLS1331] - Analysis of anti-CHRM2 / M2 antibody with human brain, glioblastoma.



Immunohistochemistry-Paraffin: Muscarinic Acetylcholine Receptor M2/CHRM2 Antibody [NLS1331] - Anti-CHRM2 / M2 antibody IHC of human Skin, Melanoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry-Paraffin: Muscarinic Acetylcholine Receptor M2/CHRM2 Antibody [NLS1331] - Brain, Parkinson's Disease Neuron Lewy Body Brain, Parkinson's Disease Neuron Lewy Body.



Publications

Jacquie Maignel, Vincent Martin, Rana Assaly, Mathieu L. Vogt, Kevin Retailleau, Fraser Hornby, Alexandra Laugerotte, Stéphane Lezmi, Pierre Denys, Johannes Krupp, Charles Joussain BoNT/A1 Secondary Failure for the Treatment of Neurogenic Detrusor Overactivity: An Ex Vivo Functional Study *Toxins* 2022-01-21 [PMID: 35202105]

Yankiwski V, Noonan JP, Neff NF. The C-terminal domain of the Bloom syndrome DNA helicase is essential for genomic stability. *BMC Cell Biol* 2001-01-01 [PMID: 11472631] (Human)



Procedures

Immunohistochemistry Protocol for Muscarinic Acetylcholine Receptor 2 Antibody (NLS1331)

Immunohistochemistry Protocol for Muscarinic Acetylcholine Receptor 2 Antibody (NLS1331):

Immunohistochemistry

1. Prepare tissue with formalin fixation and by embedding it in paraffin wax.
2. Make 4 um sections and place on pre-cleaned and charged microscope slides.
3. Heat in a tissue-drying oven for 45 minutes @ 60 degrees Celcius.
4. Deparaffinize the tissues by wash drying the slides in 3 changes of xylene for 5 minutes each @ RT.
5. Rehydrate the tissues by washing the slides in 3 changes of 100% alcohol for 3 minutes each @ RT.
6. Wash the slides in 2 changes of 95% alcohol for 3 minutes each @ RT.
7. Wash the slides in 1 change of 80% alcohol for 3 minutes @ RT.
8. Rinse the slides in gentle running distilled water for 5 minutes @ RT.
9. Perform antigen retrieval by steaming the slides in 0.01M sodium citrate buffer (pH 6.0) @ 99-100 degrees Celcius for 20 minutes.
10. Remove the slides from the heat and let stand in buffer @ RT for 20 minutes.
11. Rinse the slides in 1X TBS-T for 1 minute @ RT.

****Do not allow the tissues to dry at any time during the staining procedure****

12. Begin the immunostaining by applying a universal protein block for 20 minutes @ RT.
13. Drain protein block from the slides and apply the diluted primary antibody for 45 minutes @ RT.
14. Rinse the slide in 1X TBS-T for 1 minute @ RT.
15. Apply a biotinylated anti-rabbit IgG (H+L) secondary for 30 minutes @ RT.
16. Rinse the slide in 1X TBS-T for 1 minute @ RT.
17. Apply an alkaline phosphatase streptavidin for 30 minutes @ RT.
18. Rinse the slide in 1X TBS-T for 1 minute @ RT.
19. Apply an alkaline phosphatase chromagen substrate for 30 minutes @ RT.
20. Rinse the slide in distilled water for 1 minute @ RT.

****This method should only be used if the chromagen substrate is alcohol insoluble (ie: Vector Red, DAB)****

21. Dehydrate the tissue by washing the slides in 2 changes of 80% alcohol for 1 minute each @ RT.
22. Wash the slides in 2 changes of 95% alcohol for 1 minute each @ RT.
23. Wash the slides in 3 changes of 100% alcohol for 1 minute each @ RT.
24. Wash the slides in 3 changes of xylene for 1 minute each @ RT.
25. Apply cover slip.





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Products Related to NLS1331

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00001129-Q01-10ug	Recombinant Human Muscarinic Acetylcholine Receptor M2/CHRM2 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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