

Product Datasheet

Muscarinic Acetylcholine Receptor M5/CHRM5 Antibody - BSA Free NLS1338

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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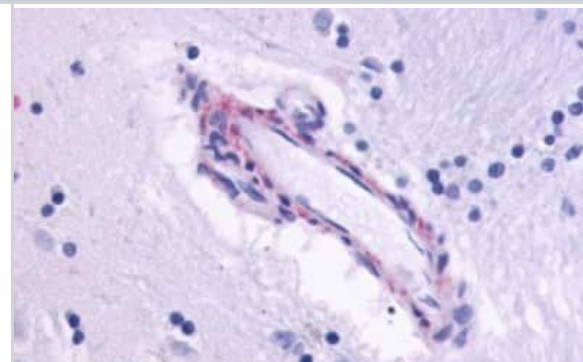


NLS1338**Muscarinic Acetylcholine Receptor M5/CHRM5 Antibody - BSA Free**

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	1133
Gene Symbol	CHRM5
Species	Human, Monkey
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Gorilla (100%), Gibbon (94%), Chimpanzee (88%), Marmoset (88%), Canine (81%), Bovine (81%), Equine (81%).
Specificity/Sensitivity	Human CHRM5. 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 M5/CHRM5.
Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 6 ug/ml

Images

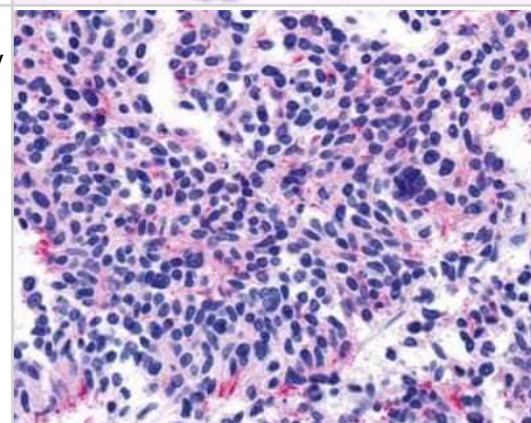
Immunohistochemistry-Paraffin: Muscarinic Acetylcholine Receptor M5/CHRM5 Antibody [NLS1338] - Anti-CHRM5 antibody IHC of human brain, vessel. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry-Paraffin: Muscarinic Acetylcholine Receptor M5/CHRM5 Antibody [NLS1338] - Analysis of anti-CHRM5 / M5 antibody with brain, vessels.



Immunohistochemistry-Paraffin: Muscarinic Acetylcholine Receptor M5/CHRM5 Antibody [NLS1338] - Analysis of anti-CHRM5 / M5 antibody with human lung, small cell carcinoma.



Publications

Stoffel MH, Monnard CW, Steiner A et al. Distribution of muscarinic receptor subtypes and interstitial cells of Cajal in the gastrointestinal tract of healthy dairy cows. *Am J Vet Res* 2006-12-01 [PMID: 17144799]

Procedures

Immunohistochemistry Protocol for Muscarinic Acetylcholine Receptor M5 Antibody (NLS1338)

Immunohistochemistry Protocol for Muscarinic Acetylcholine Receptor M5 Antibody (NLS1338):

https://www.novusbio.com/products/muscarinic-acetylcholine-receptor-m5-chrm5-antibody_nls1338

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 at 60 degrees Celcius.
4. Deparaffinize the tissues by wash drying the slides in 3 changes of xylene approximately 5 minutes each @ RT.
5. Rehydrate the tissues by washing the slides in 3 changes of 100% alcohol approximately 3 minutes each @ RT.
6. Wash the slides in 2 changes of 95% alcohol approximately 3 minutes each @ RT.
7. Wash the slides in 1 change of 80% alcohol approximately 3 minutes @ RT.
8. Rinse the slides in gentle running distilled water approximately 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 approximately 20 minutes @ RT.
13. Drain protein block from the slides and apply the diluted primary antibody approximately 45 minutes @ RT.
14. Rinse the slide in 1X TBS-T approximately 1 minute @ RT.
15. Apply a biotinylated anti-rabbit IgG (H+L) secondary approximately 30 minutes @ RT.
16. Rinse the slide in 1X TBS-T approximately 1 minute at RT.
17. Apply an alkaline phosphatase steptavidin approximately 30 minutes at RT.
18. Rinse the slide in 1X TBS-T approximately 1 minute at RT.
19. Apply an alkaline phosphatase chromagen substrate approximately 30 minutes at RT.
20. Rinse the slide in distilled water approximately 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 approximately 1 minute each @ RT.
22. Wash the slides in 2 changes of 95% alcohol approximately 1 minute each @ RT.
23. Wash the slides in 3 changes of 100% alcohol approximately 1 minute each @ RT.
24. Wash the slides in 3 changes of xylene approximately 1 minute each @ RT.
25. Apply cover slip.



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
novus@novusbio.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: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

Products Related to NLS1338

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7156	Goat anti-Rabbit IgG (H+L) Secondary Antibody
NBP2-24891	Rabbit IgG Isotype Control
H00001133-Q01-10ug	Recombinant Human Muscarinic Acetylcholine Receptor M5/CHRM5 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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