Product Datasheet

Muscarinic Acetylcholine Receptor M2/CHRM2 Antibody -BSA Free NLS1333

Unit Size: 0.05 ml

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

www.novusbio.com

technical@novusbio.com

Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at: www.novusbio.com/NLS1333

Updated 9/30/2024 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications Submit a review at www.novusbio.com/reviews/destination/NLS1333



NLS1333

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, Bovine, Canine, Equine, Hamster, Primate, Monkey, Rabbit, Sheep
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Gorilla (100%), Gibbon (100%), Marmoset (100%), Xenopus (88%), Zebrafish (81%).
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 6 - 15 ug/ml



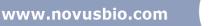
Immunohistochemistry-Paraffin: Muscarinic Acetylcholine Receptor M2/CHRM2 Antibody [NLS1333] - Human Ovary, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Immunohistochemistry-Paraffin: Muscarinic Acetylcholine Receptor M2/CHRM2 Antibody [NLS1333] - Analysis of brain, neurons and glia using this antibody at 6 ug/ ml.

Immunohistochemistry-Paraffin: Muscarinic Acetylcholine Receptor M2/CHRM2 Antibody [NLS1333] - Analysis of anti-CHRM2 / M2 antibody with human brain, glioblastoma.

Immunohistochemistry-Paraffin: Muscarinic Acetylcholine Receptor M2/CHRM2 Antibody [NLS1333] - Human Lung, Small Cell Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.





Publications

Ishizuka T, Ozawa A, Katsuura M et al. Effects of muscarinic acetylcholine receptor stimulation on the differentiation of mouse induced pluripotent stem cells into neural progenitor cells Clin Exp Pharmacol Physiol. [PMID: 29920752] (Mouse)

Strang CE, Renna JM, Amthor FR, Keyser KT. Muscarinic acetylcholine receptor localization and activation effects on ganglion response properties. Invest Ophthalmol Vis Sci 2010-05-01 [PMID: 20042645] (Rabbit)



Procedures

Immunohistochemistry Protocol for Muscarinic Acetylcholine Receptor 2 Antibody (NLS1333)

Immunohistochemistry Protocol for Muscarinic Acetylcholine Receptor 2 Antibody (NLS1333): 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 xyleneapproximately 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 nb-customerservice@bio-techne.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: nb-technical@biotechne.com Orders: nb-customerservice@bio-techne.com General: novus@novusbio.com

Products Related to NLS1333

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NLS1333

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications

www.novusbio.com

