

Product Datasheet

mGluR2 Antibody - BSA Free NLS892

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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Updated 10/23/2024 v.20.1

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NLS892

mGluR2 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

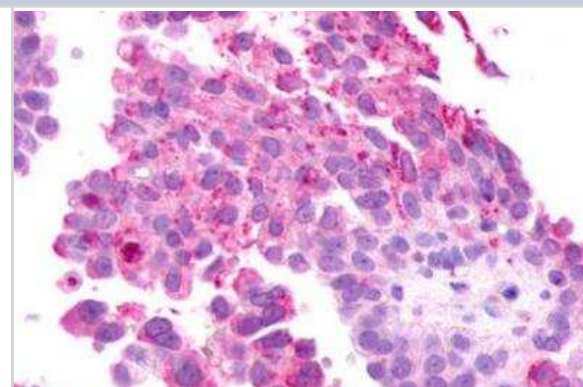
Description	Product can be stored undiluted at 4C for up to 1 month.
Host	Rabbit
Gene ID	2912
Gene Symbol	GRM2
Species	Human, Mouse, Rat, Porcine, Bat, Bovine, Canine, Hamster, Rabbit
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Gorilla (100%), Gibbon (100%), Marmoset (100%).
Specificity/Sensitivity	Human mGluR2. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except GRM3 (42%).
Immunogen	Synthetic 19 amino acid peptide from N-terminal extracellular domain of human mGluR2.

Product Application Details

Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunocytochemistry
Recommended Dilutions	Western Blot 1:100 - 1:2000, Immunohistochemistry, Immunohistochemistry-Paraffin 5 - 10 ug/ml, Immunocytochemistry 1:10 - 1:500

Images

Immunohistochemistry-Paraffin: mGluR2 Antibody [NLS892] - Human Ovary, Carcinoma tissue after heat-induced antigen retrieval.



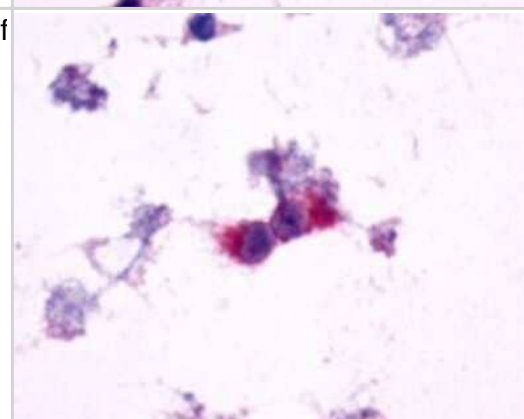
Immunohistochemistry-Paraffin: mGluR2 Antibody [NLS892] - Analysis of anti-GRM2 / MGLUR2 antibody with brain, neuron.



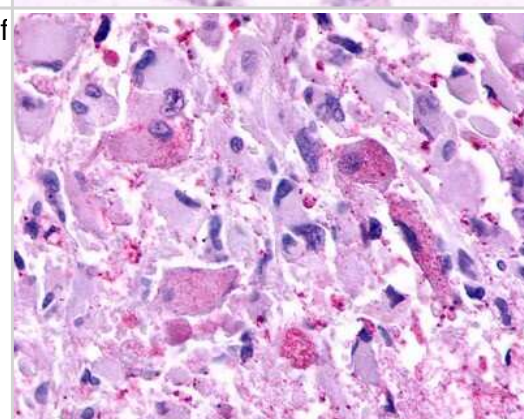
Immunohistochemistry-Paraffin: mGluR2 Antibody [NLS892] - Analysis of anti-GRM2 / MGLUR2 antibody with transfection control.



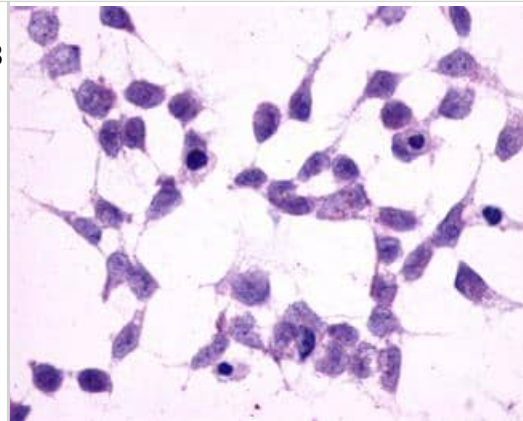
Immunohistochemistry-Paraffin: mGluR2 Antibody [NLS892] - Analysis of anti-GRM2 / MGLUR2 antibody with transfected cells expressing metabotropic Glutamate Receptor 2 at 5 ug/ ml.



Immunohistochemistry-Paraffin: mGluR2 Antibody [NLS892] - Analysis of anti-GRM2 / MGLUR2 antibody with human brain, glioblastoma.



Immunocytochemistry/ Immunofluorescence: mGluR2 Antibody - BSA Free [NLS892] - Immunocytochemistry staining of untransfected HEK293 human embryonic kidney cells.



Procedures

Immunohistochemistry Protocol for metabotropic Glutamate Receptor 2 Antibody (NLS892)

Immunohistochemistry Protocol for metabotropic Glutamate Receptor 2 Antibody (NLS892):

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 streptavidin 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
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@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NLS892

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-49436PEP	mGluR2 Recombinant Protein Antigen

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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