

Product Datasheet

mGluR4 Antibody NLS909

Unit Size: 0.05 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 4/18/2021 v.20.1

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NLS909

mGluR4 Antibody

Product Information

Unit Size	0.05 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description

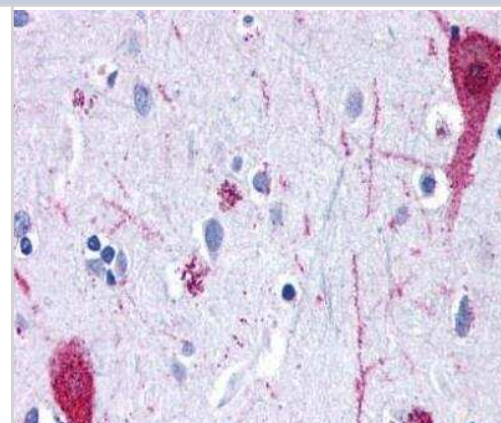
Host	Rabbit
Gene ID	2914
Gene Symbol	GRM4
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, Equine, Monkey, Primate, Rabbit
Reactivity Notes	Chimpanzee, Gorilla. Predicted cross-reactivity based on sequence identity: Elephant (100%), Panda (100%), Opossum (84%).
Specificity/Sensitivity	Human GRM4 / MGLUR4. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Immunogen	Synthetic 19 amino acid peptide from N-terminal extracellular domain of human GRM4 / MGLUR4.

Product Application Details

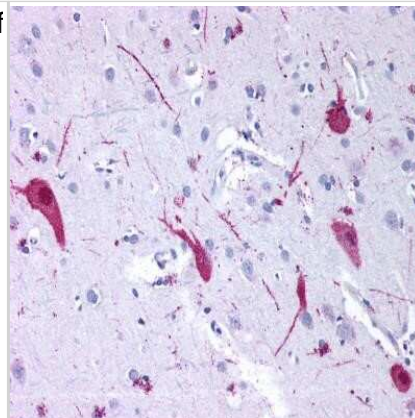
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 10 ug/ml

Images

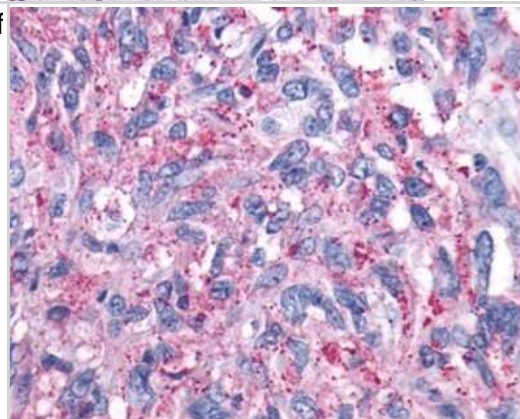
Immunohistochemistry-Paraffin: mGluR4 Antibody [NLS909] - Brain, cortex neurons



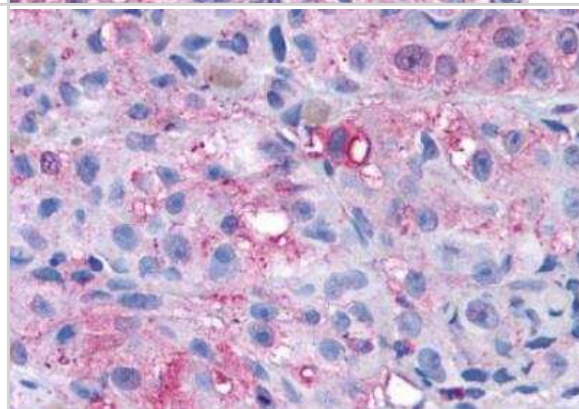
Immunohistochemistry-Paraffin: mGluR4 Antibody [NLS909] - Analysis of anti-GRM4 / MGLUR4 antibody with human brain, neurons and glia.



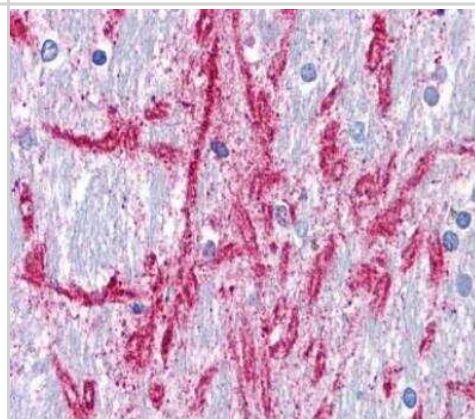
Immunohistochemistry-Paraffin: mGluR4 Antibody [NLS909] - Analysis of anti-GRM4 / MGLUR4 antibody with human brain, glioblastoma.



Immunohistochemistry-Paraffin: mGluR4 Antibody [NLS909] - Human Skin, Melanoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry-Paraffin: mGluR4 Antibody [NLS909] - Brain, Substantia nigra white matter



Procedures

Immunohistochemistry Protocol for metabotropic Glutamate Receptor 4 Antibody (NLS909)

Immunohistochemistry Protocol for metabotropic Glutamate Receptor 4 Antibody (NLS909):

Immunohistochemistry

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

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

1. Prepare tissue with formalin fixation and by embedding it in paraffin wax.
2. Make 4-mm 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 5 minutes each @ RT.
5. Rehydrate the tissues by washing the slides in 3 changes of 100% alcohol 3 minutes each @ RT.
6. Wash the slides in 2 changes of 95% alcohol 3 minutes each @ RT.
7. Wash the slides in 1 change of 80% alcohol 3 minutes @ RT.
8. Rinse the slides in gentle running distilled water 5 minutes @ RT.
9. Perform antigen retrieval by steaming the slides in 0.01M sodium citrate buffer (pH 6.0) @ 99-100 degrees Celcius.
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.
12. Begin the immunostaining by applying a universal protein block 20 minutes @ RT.
13. Drain protein block from the slides and apply the diluted primary antibody 45 minutes @ RT.
14. Rinse the slide in 1X TBS-T 1 minute @ RT.
15. Apply a biotinylated anti-rabbit IgG (H+L) secondary 30 minutes @ RT.
16. Rinse the slide in 1X TBS-T 1 minute @ RT.
17. Apply an alkaline phosphatase streptavidin 30 minutes @ RT.
18. Rinse the slide in 1X TBS-T 1 minute @ RT.
19. Apply an alkaline phosphatase chromagen substrate 30 minutes @ RT.
20. Rinse the slide in distilled water 1 minute @ RT.
21. Dehydrate the tissue by washing the slides in 2 changes of 80% alcohol 1 minute each @ RT.
22. Wash the slides in 2 changes of 95% alcohol 1 minute each @ RT.
23. Wash the slides in 3 changes of 100% alcohol 1 minute each @ RT.
24. Wash the slides in 3 changes of xylene 1 minute each @ RT.
25. Apply cover slip.





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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

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