

Product Datasheet

GPR88 Antibody NLS6324

Unit Size: 0.05 ml

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

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NLS6324

Updated 3/28/2021 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/NLS6324



NLS6324

GPR88 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

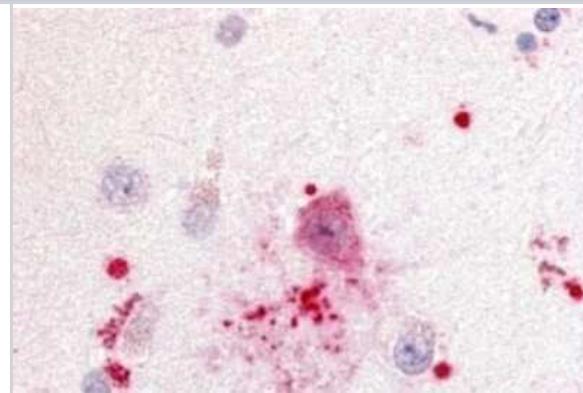
Host	Rabbit
Gene ID	54112
Gene Symbol	GPR88
Species	Human, Bovine, Primate, Monkey
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Gorilla (100%), Mouse (89%), Rabbit (89%), Opossum (89%).
Specificity/Sensitivity	Human GPR88. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Immunogen	Synthetic 18 amino acid peptide from 2nd cytoplasmic domain of human GPR88.

Product Application Details

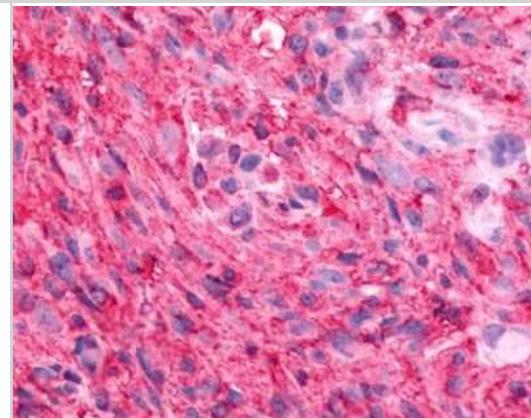
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 40 ug/ml

Images

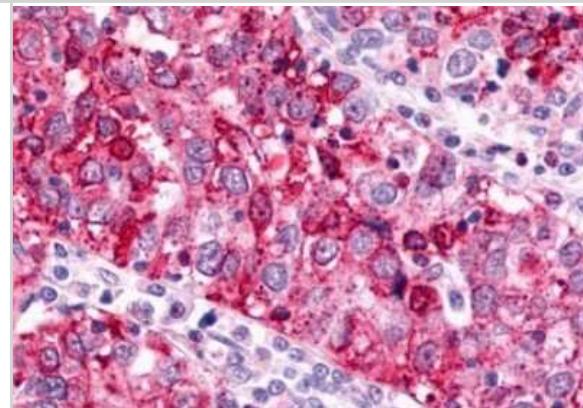
Immunohistochemistry-Paraffin: GPR88 Antibody [NLS6324] - Anti-GPR88 antibody IHC of human brain, neurons and glia.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



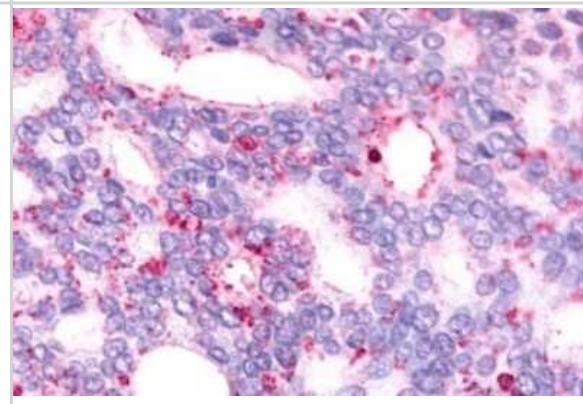
Immunohistochemistry-Paraffin: GPR88 Antibody [NLS6324] - Analysis of anti-GPR88 antibody with human brain, glioblastoma.



Immunohistochemistry-Paraffin: GPR88 Antibody [NLS6324] - Anti-GPR88 antibody IHC of human Ovary, Carcinoma.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry-Paraffin: GPR88 Antibody [NLS6324] - Anti-GPR88 antibody IHC of human Prostate, Carcinoma.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Procedures



Immunohistochemistry protocol for GPR88 Antibody (NLS6324)

Immunohistochemistry Protocol for GPR88 Antibody (NLS6324):

Immunohistochemistry

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 at 60 degrees Celcius.
 4. Deparaffinize the tissues by wash drying the slides in 3 changes of xylene 5 minutes each at RT.
 5. Rehydrate the tissues by washing the slides in 3 changes of 100% alcohol 3 minutes each at RT.
 6. Wash the slides in 2 changes of 95% alcohol 3 minutes each at RT.
 7. Wash the slides in 1 change of 80% alcohol 3 minutes at RT.
 8. Rinse the slides in gentle running distilled water 5 minutes at RT.
 9. Perform antigen retrieval by steaming the slides in 0.01M sodium citrate buffer (pH 6.0) at 99-100 degrees Celcius for 20 minutes.
 10. Remove the slides from the heat and let stand in buffer at RT for 20 minutes.
 11. Rinse the slides in 1X TBS-T for 1 minute at 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 20 minutes at RT.
 13. Drain protein block from the slides and apply the diluted primary antibody 45 minutes at RT.
 14. Rinse the slide in 1X TBS-T 1 minute at RT.
 15. Apply a biotinylated anti-rabbit IgG (H+L) secondary 30 minutes at RT.
 16. Rinse the slide in 1X TBS-T 1 minute at RT.
 17. Apply an alkaline phosphatase streptavidin 30 minutes at RT.
 18. Rinse the slide in 1X TBS-T 1 minute at RT.
 19. Apply an alkaline phosphatase chromagen substrate 30 minutes at RT.
 20. Rinse the slide in distilled water 1 minute at 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 1 minute each at RT.
 22. Wash the slides in 2 changes of 95% alcohol 1 minute each at RT.
 23. Wash the slides in 3 changes of 100% alcohol 1 minute each at RT.
 24. Wash the slides in 3 changes of xylene 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

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/NLS6324

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