

Product Datasheet

Lgr5/GPR49 Antibody - Azide and BSA Free NLS1235

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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NLS1235

Lgr5/GPR49 Antibody - Azide and BSA Free

Product Information	
Unit Size	0.05 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

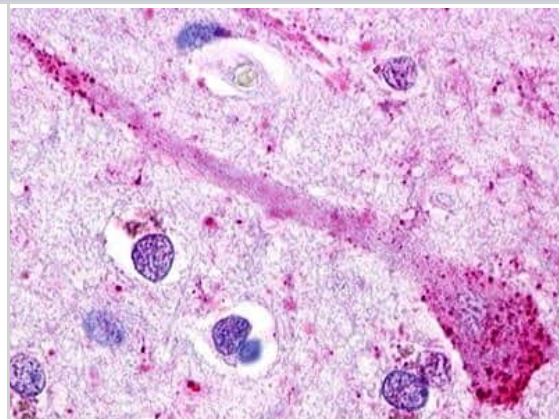
Product Description	
Description	Novus Biologicals Rabbit Lgr5/GPR49 Antibody - Azide and BSA Free (NLS1235) is a polyclonal antibody validated for use in IHC. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	8549
Gene Symbol	LGR5
Species	Human
Reactivity Notes	Immunogen sequence has 81% identity with mouse.
Immunogen	Synthetic peptide [KLH conjugated] made to the 2nd cytoplasmic loop of human GPR49/LGR5. [UniProt# O75473]

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 5-8 ug/ml, Immunohistochemistry-Paraffin 5-8 ug/ml
Application Notes	This GPR49/LGR5 antibody is useful for Immunohistochemistry on paraffin sections.

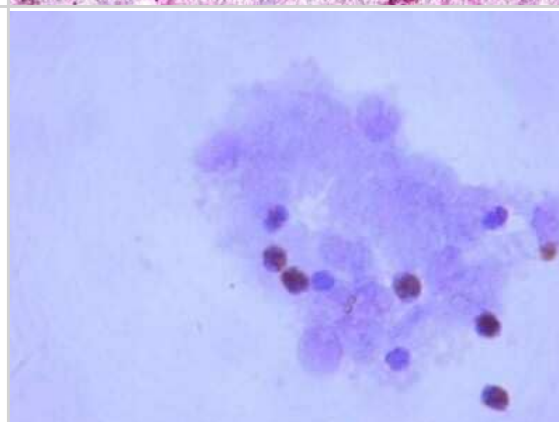


Images

Immunohistochemistry-Paraffin: Lgr5/GPR49 Antibody [NLS1235] - GPR49/LGR5 Antibody [NLS1235] - Staining of a FFPE section of human cortex.



Immunohistochemistry: Lgr5/GPR49 Antibody [NLS1235] - Stem cells, neutrophils and eosinophils in human bone marrow (1ug/ml).





Protocol specific for GPR49 Antibody (NLS1235)

Lgr5/GPR49 Antibody:

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 @ 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 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 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.

****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 @ 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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Products Related to NLS1235

NBL1-12509	Lgr5/GPR49 Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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