

# Product Datasheet

## GPR119 Antibody - BSA Free NLS548

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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**NLS548**

GPR119 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.05 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS and 30% Glycerol

**Product Description**

<b>Description</b>	Novus Biologicals Rabbit GPR119 Antibody - BSA Free (NLS548) is a polyclonal antibody validated for use in IHC and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	139760
<b>Gene Symbol</b>	GPR119
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Immunogen sequence has 88% identity to rat.
<b>Immunogen</b>	A synthetic peptide made to an internal region of the human GPR119 protein (within residues 150-250). [Swiss-Prot Q8TDV5]

**Product Application Details**

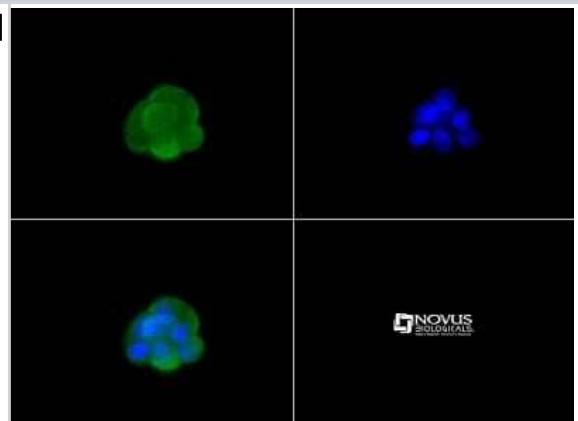
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:100
<b>Application Notes</b>	This GPR119 antibody is useful for Immunohistochemistry paraffin embedded sections and Immunocytochemistry/Immunofluorescence. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended.

## Images

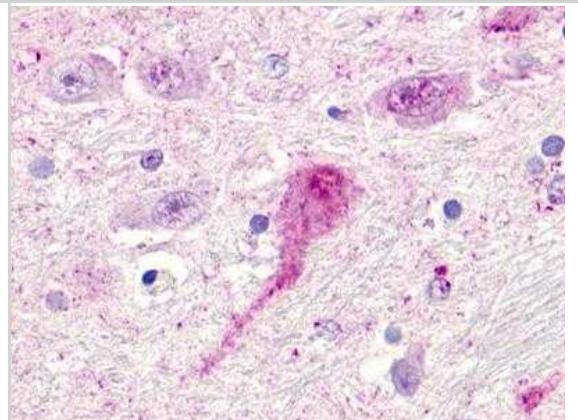
Immunocytochemistry/Immunofluorescence: GPR119 Antibody [NLS548]

- GPR119 antibody was tested in MCF-7 cells with Dylight 488 (green).

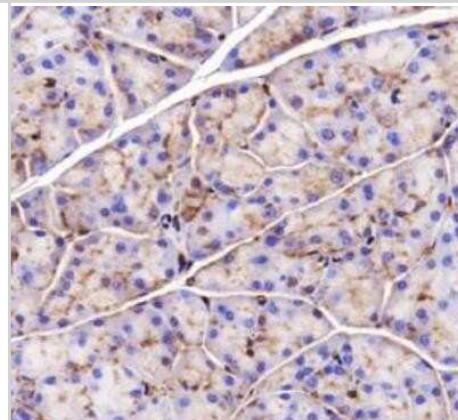
Nuclei were counterstained with DAPI (blue).



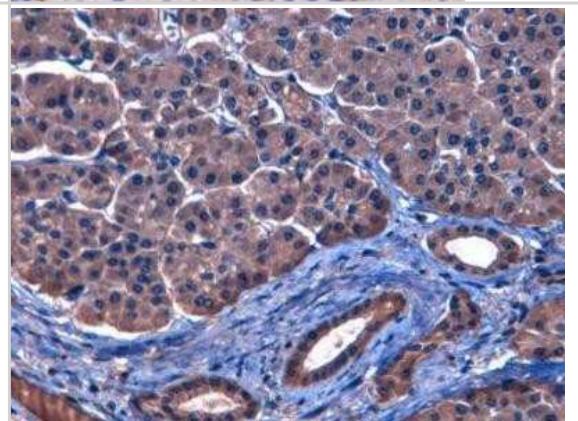
Immunohistochemistry: GPR119 Antibody [NLS548] - Staining of human brain, neuron.



Immunohistochemistry: GPR119 Antibody [NLS548] - Analysis of GPR119 in mouse pancreas using DAB with hematoxylin counterstain.



Immunohistochemistry: GPR119 Antibody [NLS548] - Analysis of GPR119 in human pancreas using Fast Red with hematoxylin counterstain.



## Procedures

### Protocol specific for GPCR GPR119 Antibody (NLS548)

#### GPR119 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 for 5 minutes each @ RT.
5. Rehydrate the tissues by washing the slides in 3 changes of 100% alcohol for 3 minutes each @ RT.
6. Wash the slides in 2 changes of 95% alcohol for 3 minutes each @ RT.
7. Wash the slides in 1 change of 80% alcohol for 3 minutes @ RT.
8. Rinse the slides in gentle running distilled water for 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 for 20 minutes @ RT.
13. Drain protein block from the slides and apply the diluted primary antibody for 45 minutes @ RT.
14. Rinse the slide in 1X TBS-T for 1 minute @ RT.
15. Apply a biotinylated anti-rabbit IgG (H+L) secondary for 30 minutes @ RT.
16. Rinse the slide in 1X TBS-T for 1 minute @ RT.
17. Apply an alkaline phosphatase streptavidin for 30 minutes @ RT.
18. Rinse the slide in 1X TBS-T for 1 minute @ RT.
19. Apply an alkaline phosphatase chromagen substrate for 30 minutes @ RT.
20. Rinse the slide in distilled water for 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 for 1 minute each @ RT.
22. Wash the slides in 2 changes of 95% alcohol for 1 minute each @ RT.
23. Wash the slides in 3 changes of 100% alcohol for 1 minute each @ RT.
24. Wash the slides in 3 changes of xylene for 1 minute each @ RT.
25. Apply cover slip.



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## Products Related to NLS548

NBL1-11245	GPR119 Overexpression Lysate
NLS548PEP-0.1mg	GPR119 Antibody Blocking Peptide
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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