

# Product Datasheet

## GPR17 Antibody - BSA Free NLS4229

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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### Publications: 2

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**NLS4229**

GPR17 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.05 ml
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.1% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS

**Product Description**

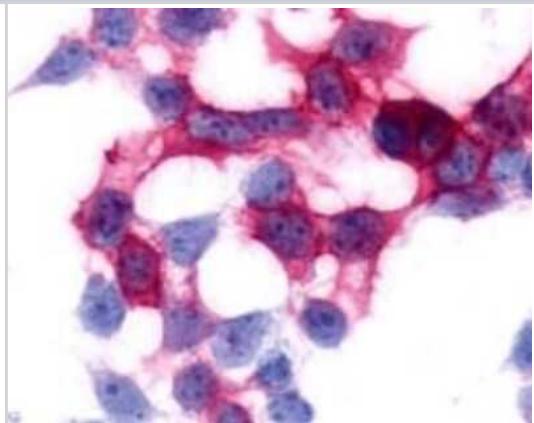
<b>Description</b>	Product can be stored undiluted at 4C for up to 1 month.
<b>Host</b>	Rabbit
<b>Gene ID</b>	2840
<b>Gene Symbol</b>	GPR17
<b>Species</b>	Human
<b>Reactivity Notes</b>	Predicted cross-reactivity based on sequence identity: Gorilla (100%), Gibbon (100%).
<b>Specificity/Sensitivity</b>	Human GPR17. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
<b>Immunogen</b>	Synthetic 16 amino acid peptide from N-terminal extracellular domain of human GPR17.

**Product Application Details**

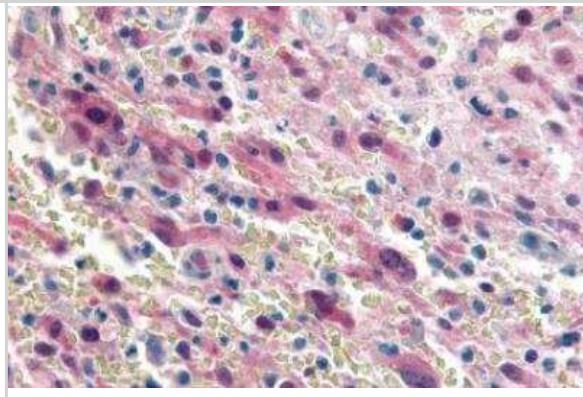
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunocytochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 3-16 ug/ml, Immunohistochemistry-Paraffin 3 ug/ml, Immunocytochemistry 3-16 ug/ml
<b>Application Notes</b>	.

## Images

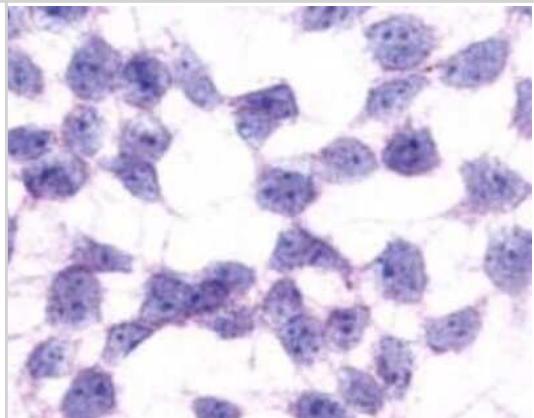
Immunocytochemistry/Immunofluorescence: GPR17 Antibody [NLS4229]  
- immunocytochemistry (ICC) staining of HEK293 human embryonic kidney cells transfected with GPR17.



Immunohistochemistry-Paraffin: GPR17 Antibody [NLS4229] - Formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunocytochemistry/Immunofluorescence: GPR17 Antibody [NLS4229]  
- immunocytochemistry (ICC) staining of untransfected HEK293 human embryonic kidney cells.



Immunohistochemistry-Paraffin: GPR17 Antibody [NLS4229] - IHC staining of human brain, neurons and glia.



## Publications

Yan S, Conley JM, Reilly AM et al. Intestinal Gpr17 deficiency improves glucose metabolism by promoting GLP-1 secretion Cell reports 2022-01-04 [PMID: 34986353] (IF/IHC, Human)

Paruchuri, S, Jiang, Y, Feng, C et al. Leukotriene E4 activates peroxisome proliferator activated receptor gamma induces prostaglin D2 generation by human mast cells. J. Biol. Chem. 2008-04-14 [PMID: 18411276]

## Procedures

### Immunohistochemistry protocol for GPR17 Antibody (NLS4229)

Immunohistochemistry Protocol for GPR17 Antibody (NLS4229):

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 @ 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 NLS4229

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-87531PEP	GPR17 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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