

# Product Datasheet

## FFAR1/GPR40 Antibody - BSA Free NLS1595

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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**NLS1595**

FFAR1/GPR40 Antibody - BSA Free

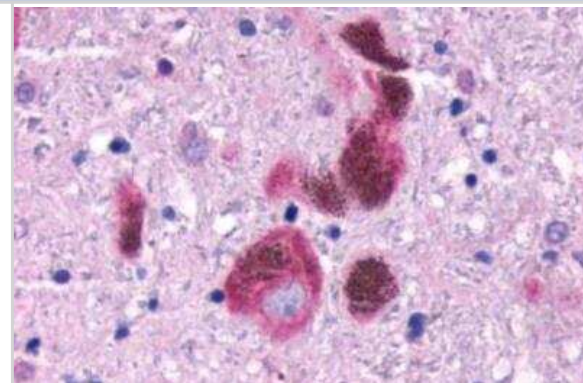
Product Information	
Unit Size	0.05 ml
Concentration	1.0 mg/ml
Storage	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Description	Product can be stored undiluted at 4C for up to 1 month.
Host	Rabbit
Gene ID	2864
Gene Symbol	FFAR1
Species	Human, Monkey, Primate
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Gorilla (100%), Rabbit (89%).
Specificity/Sensitivity	Human GPR40. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Immunogen	Synthetic 18 amino acid peptide from C-terminus of human FFAR1/GPR40.

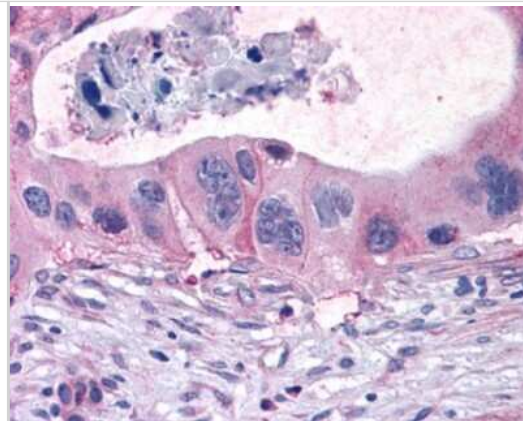
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000 - 1:10000, Immunohistochemistry, Immunohistochemistry-Paraffin 9 - 18 ug/ml

**Images**

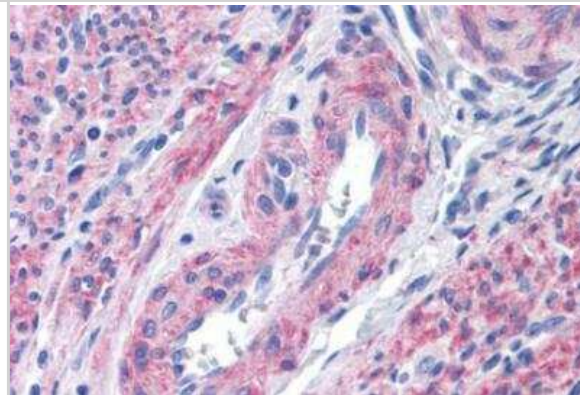
Immunohistochemistry-Paraffin: FFAR1/GPR40 Antibody [NLS1595] - Brain, Parkinson's Disease



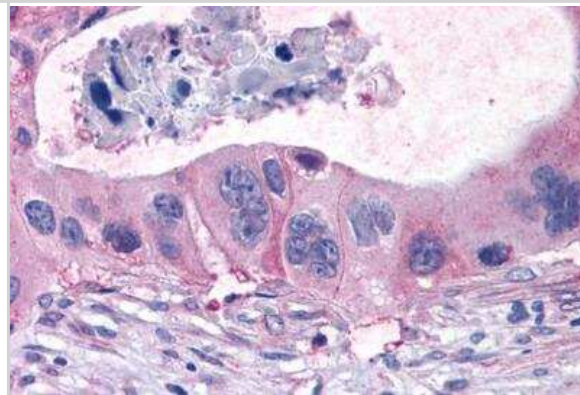
Immunohistochemistry-Paraffin: FFAR1/GPR40 Antibody [NLS1595] - Analysis of anti-FFAR1 / GPR40 antibody with human pancreas, carcinoma.



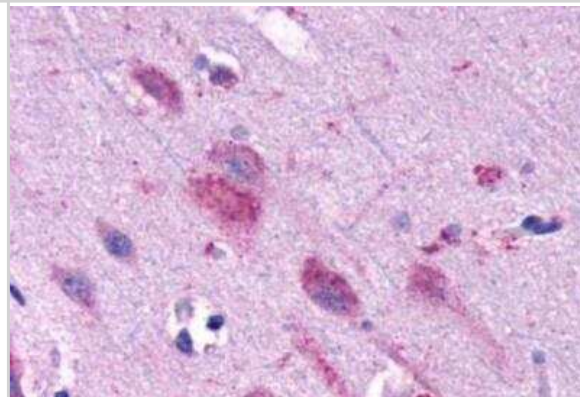
Immunohistochemistry-Paraffin: FFAR1/GPR40 Antibody [NLS1595] - Human uterus of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry-Paraffin: FFAR1/GPR40 Antibody [NLS1595] - Human Pancreas, Carcinoma tissue after heat-induced antigen retrieval.



Immunohistochemistry-Paraffin: FFAR1/GPR40 Antibody [NLS1595] - Brain, Cortex



## Procedures

### Protocol specific for GPCR GPR40 Antibody (NLS1595)

Nuclear Extract and Cytoplasmic Fraction Preparation protocol for GPCR GPR40 Antibody (NLS1595):

Procedure Guide for NLS 1595 - G Protein-Coupled Receptor GPR40

<br/>Antibody

<br/>Immunohistochemistry

<br/>1. Prepare tissue with formalin fixation and by embedding it in paraffin wax.

<br/>2. Make 4-mm sections and place on pre-cleaned and charged microscope slides.

<br/>3. Heat in a tissue-drying oven for 45 minutes @ 60 degrees Celcius.

<br/>4. Deparaffinize the tissues by wash drying the slides in 3 changes of xylene alpha 5 minutes each @ RT.

<br/>5. Rehydrate the tissues by washing the slides in 3 changes of 100% alcohol alpha 3 minutes each @ RT.

<br/>6. Wash the slides in 2 changes of 95% alcohol alpha 3 minutes each @ RT.

<br/>7. Wash the slides in 1 change of 80% alcohol alpha 3 minutes @ RT.

<br/>8. Rinse the slides in gentle running distilled water alpha 5 minutes @ RT.

<br/>9. Perform antigen retrieval by steaming the slides in 0.01M sodium citrate buffer (pH 6.0) @ 99-100 degrees Celcius

<br/>for 20 minutes.

<br/>10. Remove the slides from the heat and let stand in buffer @ RT for 20 minutes.

<br/>11. Rinse the slides in 1X TBS-T for 1 minute @ RT.

<br/>**\*\*Do not allow the tissues to dry at any time during the staining procedure\*\***

<br/>12. Begin the immunostaining by applying a universal protein block alpha 20 minutes @ RT.

<br/>13. Drain protein block from the slides and apply the diluted primary antibody alpha 45 minutes @ RT.

<br/>14. Rinse the slide in 1X TBS-T alpha 1 minute @ RT.

<br/>15. Apply a biotinylated anti-rabbit IgG (H+L) secondary alpha 30 minutes @ RT.

<br/>16. Rinse the slide in 1X TBS-T alpha 1 minute @ RT.

<br/>17. Apply an alkaline phosphatase streptavidin alpha 30 minutes @ RT.

<br/>18. Rinse the slide in 1X TBS-T alpha 1 minute @ RT.

<br/>19. Apply an alkaline phosphatase chromagen substrate alpha 30 minutes @ RT.

<br/>20. Rinse the slide in distilled water alpha 1 minute @ RT.

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

<br/>21. Dehydrate the tissue by washing the slides in 2 changes of 80% alcohol alpha 1 minute each @ RT.

<br/>22. Wash the slides in 2 changes of 95% alcohol alpha 1 minute each @ RT.

<br/>23. Wash the slides in 3 changes of 100% alcohol alpha 1 minute each @ RT.

<br/>24. Wash the slides in 3 changes of xylene alpha 1 minute each @ RT.

<br/>25. Apply cover slip.



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### **Products Related to NLS1595**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
KA1667	FFAR2/GPR43 Assay Kit (Colorimetric/Fluorometric)

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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.

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