

Product Datasheet

Gastrin-releasing Peptide R/GRPR Antibody - BSA Free NLS830

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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NLS830**Gastrin-releasing Peptide R/GRPR Antibody - BSA Free**

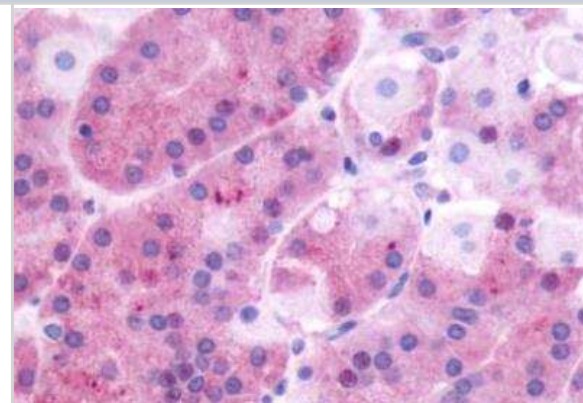
Product Information	
Unit Size	0.05 ml
Concentration	1.0 mg/ml
Storage	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Description	Product can be stored undiluted at 4C for up to 1 month.
Host	Rabbit
Gene ID	2925
Gene Symbol	GRPR
Species	Human, Porcine, Bat, Canine, Equine, Primate, Monkey, Rabbit
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Gorilla (100%), Gibbon (100%), Marmoset (100%), Mouse (83%), Rat (83%), Hamster (83%).
Specificity/Sensitivity	Human GRPR. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Immunogen	Synthetic 18 amino acid peptide from 2nd extracellular domain of human Gastrin-releasing Peptide R/GRPR.

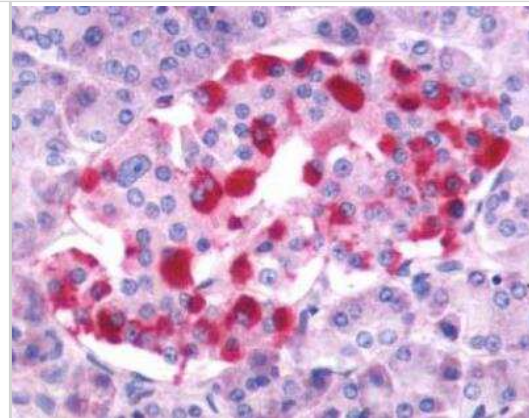
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000 - 1:10000, Immunohistochemistry, Immunohistochemistry-Paraffin 4 ug/ml

Images

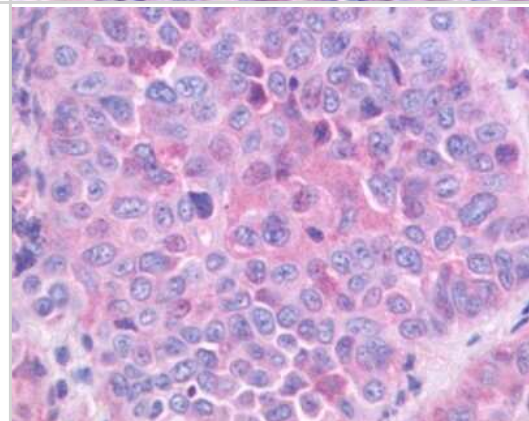
Immunohistochemistry-Paraffin: Gastrin-releasing Peptide R/GRPR Antibody [NLS830] - Staining in stomach tissue.



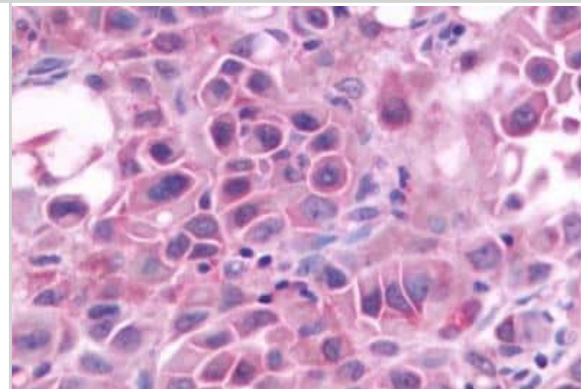
Immunohistochemistry-Paraffin: Gastrin-releasing Peptide R/GRPR Antibody [NLS830] - Gastrin-releasing Peptide/Bombesin/Neuromedin C Antibody [NLS830] - Analysis of anti-GRPR antibody with human pancreas, islet of Langerhans at 4 ug/ml.



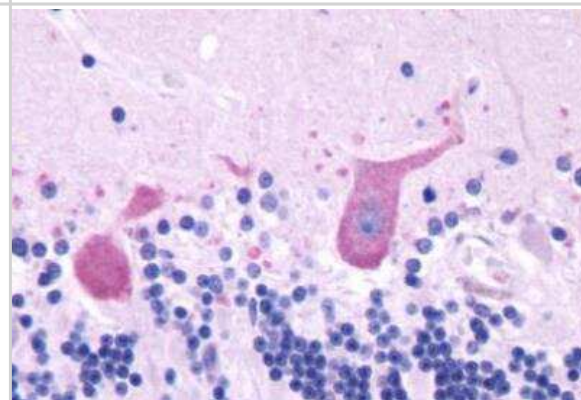
Immunohistochemistry-Paraffin: Gastrin-releasing Peptide R/GRPR Antibody [NLS830] - Gastrin-releasing Peptide/Bombesin/Neuromedin C Antibody [NLS830] - Analysis of anti-GRPR antibody with human lung, non-small cell carcinoma.



Immunohistochemistry-Paraffin: Gastrin-releasing Peptide R/GRPR Antibody [NLS830] - Gastrin-releasing Peptide/Bombesin/Neuromedin C Antibody [NLS830] - Human Skin, Melanoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry-Paraffin: Gastrin-releasing Peptide R/GRPR Antibody [NLS830] - Brain Cerebellum Purkinje Neurons



Publications

Grimsholm O, Guo Y, Ny T et al. Are neuropeptides important in arthritis. Studies on the importance of bombesin/GRP and substance P in a murine arthritis model. Ann N Y Acad Sci 2007-09-01 [PMID: 17911468]

Grimsholm O, Rantapaa-Dahlqvist S, Dalen T, Forsgren S. Observations favouring the occurrence of local production and marked effects of bombesin/gastrin-releasing peptide in the synovial tissue of the human knee joint--comparisons with substance P and the NK-1 receptor. Neuropeptides 2008-04-01 [PMID: 18289674] (Human)



Procedures

Immunohistochemistry Protocol for Neuromedin C Antibody (NLS830)

Immunohistochemistry Protocol for Neuromedin C Antibody (NLS830):

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 NLS830

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00002925-P01-2ug	Recombinant Human Gastrin-releasing Peptide R/GRPR GST (N-Term) Protein

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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