

Product Datasheet

GnRHR Antibody - BSA Free NLS209

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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NLS209

GnRHR 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

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|--------------------------------|--|
| Description | Product can be stored undiluted at 4C for up to 1 month. |
| Host | Rabbit |
| Gene ID | 2798 |
| Gene Symbol | GNRHR |
| Species | Human |
| Reactivity Notes | Predicted cross-reactivity based on sequence identity: Gibbon (100%), Gorilla (95%), Marmoset (90%), Mouse (85%), Rat (85%), Sheep (85%), Bat (85%), Rabbit (85%), Opossum (85%), Hamster (80%), Guinea Pig (80%). |
| Specificity/Sensitivity | Human GNRHR. BLAST analysis of the peptide immunogen showed no homology with other human proteins. |
| Immunogen | Synthetic 20 amino acid peptide from 3rd cytoplasmic domain of human GnRHR. |

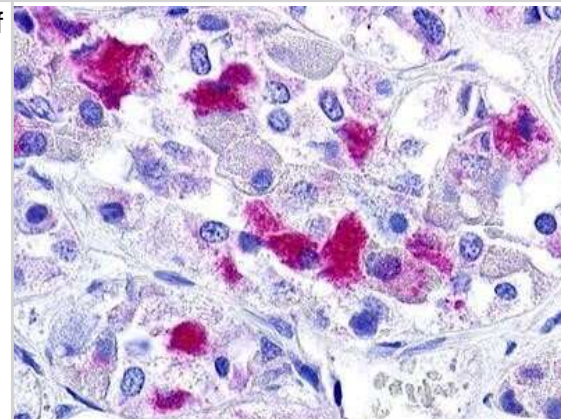
Product Application Details

| | |
|------------------------------|--|
| Applications | Immunohistochemistry, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Immunohistochemistry, Immunohistochemistry-Paraffin 1:3000 |

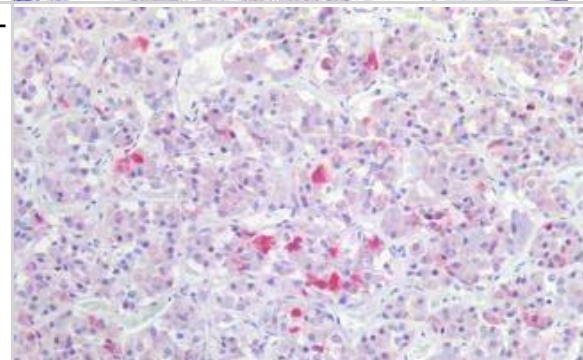


Images

Immunohistochemistry-Paraffin: GnRHR Antibody [NLS209] - Analysis of anti-GNRHR antibody with human pituitary at 1 ug/ ml.



Immunohistochemistry-Paraffin: GnRHR Antibody - BSA Free [NLS209] - Immunohistochemistry of formalin-fixed, paraffin-embedded Human Pituitary tissue



Publications

Baek MH, Park JY, Park Y et al. Androgen receptor as a prognostic biomarker and therapeutic target in uterine leiomyosarcoma. J Gynecol Oncol 2018-05-01 [PMID: 29533018]

Park JY, Baek MH, Park Y et al. Investigation of hormone receptor expression and its prognostic value in endometrial stromal sarcoma Virchows Arch. 2018-07-01 [PMID: 29869299] (IHC-P)

Procedures

Immunohistochemistry Protocol for Gonadotropin-releasing hormone receptor Antibody (NLS209)

Immunohistochemistry Protocol for Gonadotropin-releasing hormone receptor Antibody (NLS209):

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 at 60 degrees Celcius.
4. Deparaffinize the tissues by wash drying the slides in 3 changes of xylene approximately 5 minutes each @ RT.
5. Rehydrate the tissues by washing the slides in 3 changes of 100% alcohol approximately 3 minutes each @ RT.
6. Wash the slides in 2 changes of 95% alcohol approximately 3 minutes each @ RT.
7. Wash the slides in 1 change of 80% alcohol approximately 3 minutes @ RT.
8. Rinse the slides in gentle running distilled water approximately 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 approximately 20 minutes @ RT.
13. Drain protein block from the slides and apply the diluted primary antibody approximately 45 minutes @ RT.
14. Rinse the slide in 1X TBS-T approximately 1 minute @ RT.
15. Apply a biotinylated anti-rabbit IgG (H+L) secondary approximately 30 minutes @ RT.
16. Rinse the slide in 1X TBS-T approximately 1 minute at RT.
17. Apply an alkaline phosphatase streptavidin approximately 30 minutes at RT.
18. Rinse the slide in 1X TBS-T approximately 1 minute at RT.
19. Apply an alkaline phosphatase chromagen substrate approximately 30 minutes at RT.
20. Rinse the slide in distilled water approximately 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 approximately 1 minute each @ RT.
22. Wash the slides in 2 changes of 95% alcohol approximately 1 minute each @ RT.
23. Wash the slides in 3 changes of 100% alcohol approximately 1 minute each @ RT.
24. Wash the slides in 3 changes of xylene approximately 1 minute each @ RT.
25. Apply cover slip.





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Products Related to NLS209

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|------------|---|
| NBL1-11192 | GnRHR 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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