

# Product Datasheet

## Histamine H4R Antibody - BSA Free NLS3775

Unit Size: 0.05 ml

Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 2

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Updated 8/7/2025 v.20.1

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**NLS3775**

Histamine H4R Antibody - BSA Free

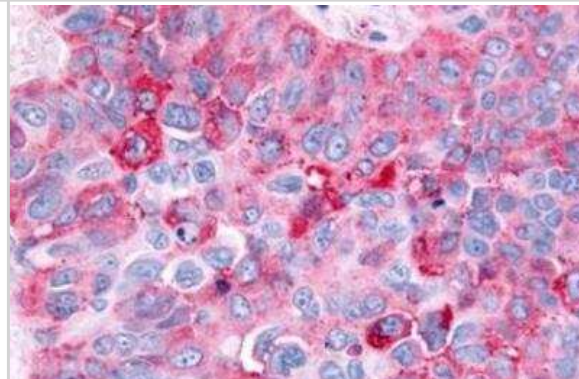
Product Information	
Unit Size	0.05 ml
Concentration	1.0 mg/ml
Storage	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Description	Product can be stored undiluted at 4C for up to 1 month.
Host	Rabbit
Gene ID	59340
Gene Symbol	HRH4
Species	Human, Monkey
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Marmoset (100%), Gibbon (89%), Mouse (89%), Canine (89%), Rat (83%), Opossum (83%).
Specificity/Sensitivity	Human Histamine H4R. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Immunogen	Synthetic 18 amino acid peptide from 1st cytoplasmic domain of human Histamine H4R.

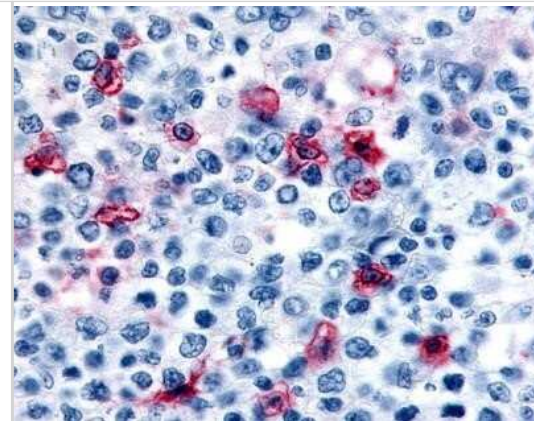
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 20 ug/ml
Application Notes	.

**Images**

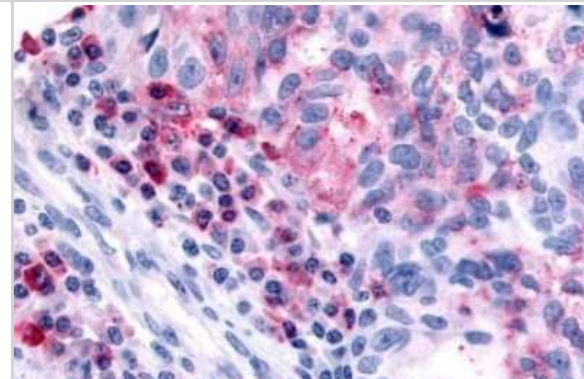
Immunohistochemistry-Paraffin: Histamine H4R Antibody [NLS3775] - Lung, Non Small-Cell Carcinoma



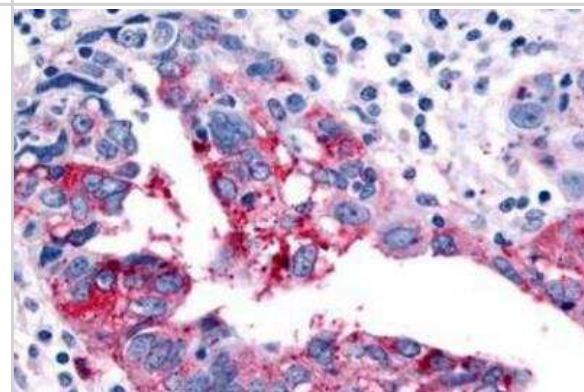
Immunohistochemistry-Paraffin: Histamine H4 R Antibody [NLS3775] - IHC analysis of Lymph node using this antibody at 12 ug/ ml.



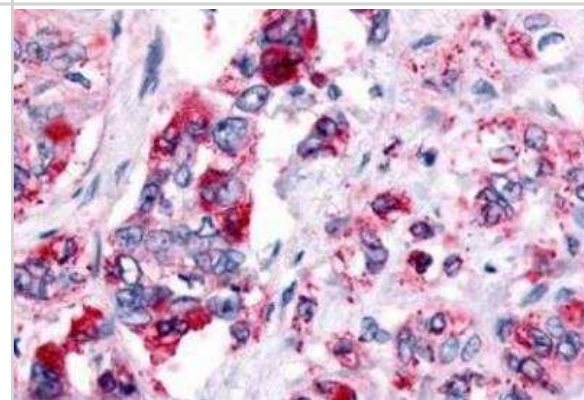
Immunohistochemistry-Paraffin: Histamine H4 R Antibody [NLS3775] - Anti-HRH4 / Histamine H4 Receptor antibody IHC of human Ovary, Carcinoma and Inflammatory Cells. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



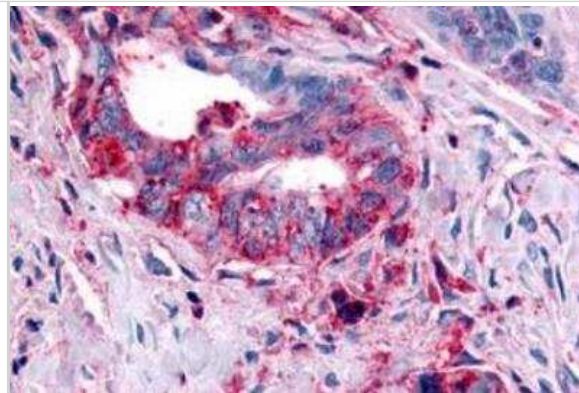
Immunohistochemistry-Paraffin: Histamine H4R Antibody [NLS3775] - Ovary, carcinoma



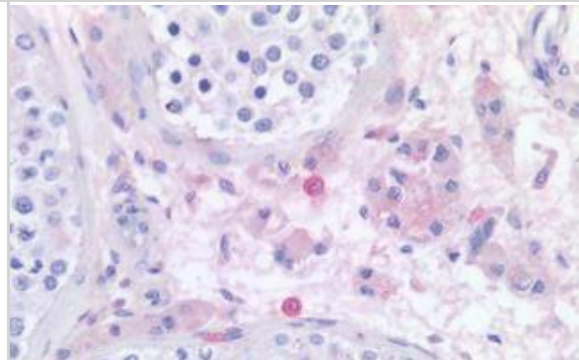
Immunohistochemistry-Paraffin: Histamine H4R Antibody [NLS3775] - Pancreas, carcinoma



Immunohistochemistry-Paraffin: Histamine H4R Antibody [NLS3775] - Colon, Carcinoma



Immunohistochemistry-Paraffin: Histamine H4R Antibody - BSA Free [NLS3775] - Immunohistochemistry of formalin-fixed, paraffin-embedded Human Testis, Mast Cells tissue



## Publications

S Moon, O Stasikowska-Kanicka, M Wągrowaska-Danilewicz, M Hawro, M Metz, M Maurer, T Hawro Clinically uninvolved but not healthy-The skin of patients with atopic dermatitis is primed for itch and inflammation. Journal of the European Academy of Dermatology and Venereology : JEADV 2023-12-08 [PMID: 38063249]

Wang Y Analysis of mast cells and mast cell-mediator-related histological features in cholinergic urticaria Thesis (IF/IHC, Human)

## Procedures

### Immunohistochemistry Protocol for Histamine H4 Receptor Antibody (NLS3775)

Immunohistochemistry Protocol for Histamine H4 Receptor Antibody (NLS3775):

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 NLS3775**

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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
210-TA-005	TNF-alpha [Unconjugated]

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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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