

# Product Datasheet

## Histamine H2R Antibody NB600-812

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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### Publications: 2

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**NB600-812**

## Histamine H2R Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat Histamine H2R Antibody (NB600-812) is a polyclonal antibody validated for use in WB, ELISA, Flow and ICC/IF. Anti-Histamine H2R Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	3274
Gene Symbol	HRH2
Species	Human, Rat
Specificity/Sensitivity	This antibody is expected to recognise both reported isoforms.
Immunogen	Peptide with sequence C-QEEKPLKLQVWSGTE corresponding to C-Terminus according to NP_071640.1, NP_001124527.1.

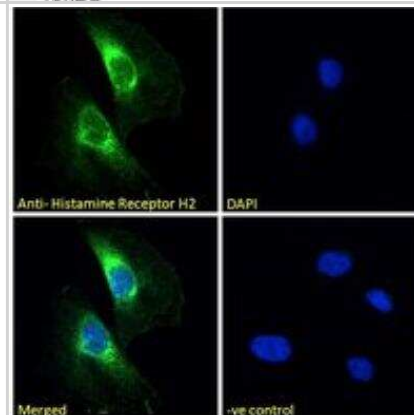
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
Recommended Dilutions	Western Blot 0.5 - 2 ug/mL, Flow Cytometry 10 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Peptide ELISA Detection limit 1:128000
Application Notes	Western blot: Approx 50kDa band observed in Human Tonsil lysates (calculated MW of 46.9kDa according to NP_001354640.1). Recommended concentration: 0.5-2ug/ml. Primary incubation 1 hour at room temperature.

## Images

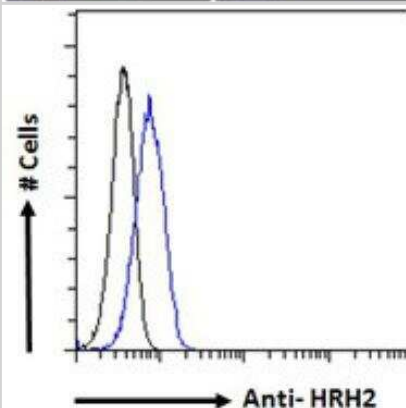
Western Blot: Histamine H2R Antibody [NB600-812] - Staining of Human Tonsil lysate (35 ug protein in RIPA buffer). Antibody at 1 ug/mL. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa

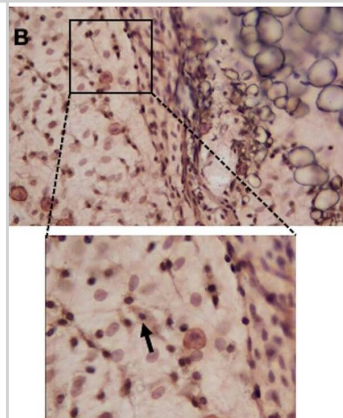
Immunocytochemistry/Immunofluorescence: Histamine H2R Antibody [NB600-812] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Flow Cytometry: Histamine H2R Antibody [NB600-812] - Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Nuclear localization of H2R. (A.1) Confocal images of LECs, labeled for Prox-1 (green channel), H2R (red channel), nuclei (DAPI) and overlay of all three channels. (A.2) Inset of one cell zoomed, which indicates the localization of H2R, Prox-1 and DAPI. (B) IHC staining performed on the rat perilymphatic tissue. The tissue was stained with H2R antibody, showing its nuclear localization; the inset zoomed view shows the localization pattern. Images are representative of at least three independent experiments. Scale bar: 20 um. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35776777>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Pal S, Gashev A, Roy D Nuclear localization of histamine receptor 2 in primary human lymphatic endothelial cells  
Biology open 2022-07-15 [PMID: 35776777] (ICC/IF, Rat)

Nakane H, Sonobe Y, Watanabe T, Nakano K. Histamine: its novel role as an endogenous regulator of Con A-  
dependent T cell proliferation. Inflamm Res 2004-07-01 [PMID: 15241568]





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### **Products Related to NB600-812**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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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