Product Datasheet

5-HT4 Antibody
NLS656

Unit Size: 0.05 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NLS656

Updated 5/13/2020 v.20.1
NLS656
5-HT4 Antibody

Product Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Size</td>
<td>0.05 ml</td>
</tr>
<tr>
<td>Concentration</td>
<td>1.0 mg/ml</td>
</tr>
<tr>
<td>Storage</td>
<td>Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Preservative</td>
<td>0.1% Sodium Azide</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG</td>
</tr>
<tr>
<td>Purity</td>
<td>Immunogen affinity purified</td>
</tr>
<tr>
<td>Buffer</td>
<td>PBS</td>
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</tbody>
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Product Description

Host
Rabbit

Gene ID
3360

Gene Symbol
HTR4

Species
Human, Rat, Bat, Bovine, Canine, Equine, Guinea Pig, Hamster, Rabbit

Reactivity Notes
Rat reactivity reported in scientific literature (PMID: 20836992). Predicted cross-reactivity based on sequence identity: Human (100%), Gorilla (100%), Gibbon (100%), Monkey (100%), Hamster (100%), Panda (100%), Canine (100%), Bat (100%), Bovine (100%), Equine (100%), Rabbit (100%), Guinea (100%), Marmoset (94%), Elephant (94%), Opossum (94%), Turkey (94%), Chicken (94%), Platypus (94%), Lizard (94%), Mouse (88%), Rat (88%), Porcine (82%).

Specificity/Sensitivity
Human 5HT4 Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Immunogen
Synthetic 17 amino acid peptide from C-terminus of human 5HT4 Receptor.

Product Application Details

Applications
Immunohistochemistry, Immunohistochemistry-Paraffin

Recommended Dilutions
Immunohistochemistry, Immunohistochemistry-Paraffin 1:10-1:500

Images
Immunohistochemistry-Paraffin: 5-HT4 Antibody [NLS656] - Analysis of anti-5HT4 Receptor antibody with human brain, neurons and glia.
<table>
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<th>Publications</th>
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Procedures

**Immunohistochemistry Protocol for 5HT4 Receptor Antibody (NLS656)**

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 Celsius.
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 Celsius 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 steptavidin 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.
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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NLS656

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