Product Datasheet

PAC1R Antibody
NLS948

Unit Size: 0.05 ml

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

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NLS948

Updated 9/16/2018 v.20.1
### Product Information

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

### Product Description

| **Host** | Rabbit |
| **Gene ID** | 117 |
| **Gene Symbol** | ADCYAP1R1 |
| **Species** | Human, Bat, Canine, Chicken, Monkey, Primate, Xenopus |
| **Reactivity Notes** | Gorilla, Gibbon, Marmoset. Predicted cross-reactivity based on sequence identity: Panda (100%), Lizard (100%), Stickleback (94%), Pufferfish (94%), Mouse (88%), Rat (88%), Hamster (88%), Elephant (88%), Bovine (88%), Equine (88%), Porcine (88%). |
| **Specificity/Sensitivity** | Human ADCYAP1R1. BLAST analysis of the peptide immunogen showed no homology with other human proteins. |
| **Immunogen** | Synthetic 17 amino acid peptide from C-terminus of human ADCYAP1R1. |

### Product Application Details

| **Applications** | Immunohistochemistry, Immunohistochemistry-Paraffin |
| **Recommended Dilutions** | Immunohistochemistry, Immunohistochemistry-Paraffin 15 ug/ml |
Immunohistochemistry-Paraffin: PAC1R Antibody [NLS948] - Analysis of anti-ADCYAP1R1 / PAC1 Receptor antibody with human ovary, carcinoma.

Immunohistochemistry-Paraffin: PAC1R Antibody [NLS948] - Staining of human brain, pituitary using this antibody at 15 ug/ml.
1. Prepare tissue with formalin fixation and by embedding it in paraffin wax.
2. Make 4 μm 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/NLS948

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications

Products Related to NLS948

<table>
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<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>HAF008</td>
<td>Goat anti-Rabbit IgG Secondary Antibody [HRP (Horseradish Peroxidase)]</td>
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<tr>
<td>NB7156</td>
<td>Goat anti-Rabbit IgG (H+L) Secondary Antibody</td>
</tr>
<tr>
<td>NBP2-24891</td>
<td>Rabbit IgG Isotype Control</td>
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<tr>
<td>H00000117-Q01-10ug</td>
<td>Recombinant Human PAC1R Protein</td>
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