

Product Datasheet

alpha-1B Adrenergic R/ADRA1B Antibody - BSA Free NLS697

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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NLS697

alpha-1B Adrenergic R/ADRA1B Antibody - BSA Free

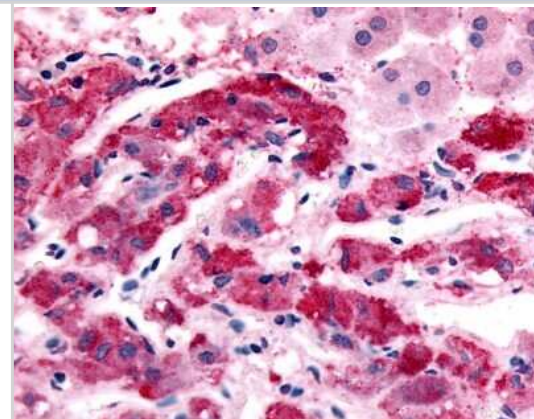
Product Information	
Unit Size	0.05 ml
Concentration	1.0 mg/ml
Storage	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Description	Product can be stored undiluted at 4C for up to 1 month.
Host	Rabbit
Gene ID	147
Gene Symbol	ADRA1B
Species	Human, Mouse, Rat, Bovine, Canine, Hamster, Monkey, Primate
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Gorilla (100%), Marmoset (100%), Bat (85%), Opossum (80%), Platypus (80%).
Specificity/Sensitivity	Human ADRA1B. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except PLEKHG5 (45%).
Immunogen	Synthetic 20 amino acid peptide from C-terminus of human alpha-1B Adrenergic R/ADRA1B.

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 11 ug/ml

Images

Immunohistochemistry-Paraffin: alpha-1B Adrenergic R/ADRA1B Antibody [NLS697] - Analysis of anti-ADRA1B antibody with human adrenal, medulla.



Publications

Karabacakb Or, Sener Nc, Yilmazer D. Alpha Adrenergic Receptors In Renal Pelvis And Calyces: Can Rat Models Be Used? *Int Braz J Urol* 2014-12-16 [PMID: 25498280] (IHC-P, Rat)

Williams LM, Qi Z, Batai K et al. A locus on chromosome 5 shows African ancestry-limited association with alloimmunization in sickle cell disease *Blood Adv* 2018-12-26 [PMID: 30578281] (IHC-P, Human)

Karabacak OR, Yilmazer D, Ozturk U et al. The presence and distribution of alpha adrenergic receptors in human renal pelvis and calyces. *Urolithiasis*. 2013-10-01 [PMID: 23877383]

Details:

ADRA 1A (IMG-71129), ADRA1B (IMG-71127) and ADRA 1D (IMG-71130).



Procedures

Immunohistochemistry Protocol for Alpha 1b Adrenergic Receptor Antibody (NLS697)

Immunohistochemistry Protocol for Alpha 1b Adrenergic Receptor Antibody (NLS697):

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 NLS697

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-57288PEP	alpha-1B Adrenergic R/ADRA1B Recombinant Protein Antigen

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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