

Product Datasheet

beta-2 Adrenergic R/ADRB2 Antibody - BSA Free NLS2656

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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NLS2656

beta-2 Adrenergic R/ADRB2 Antibody - BSA Free

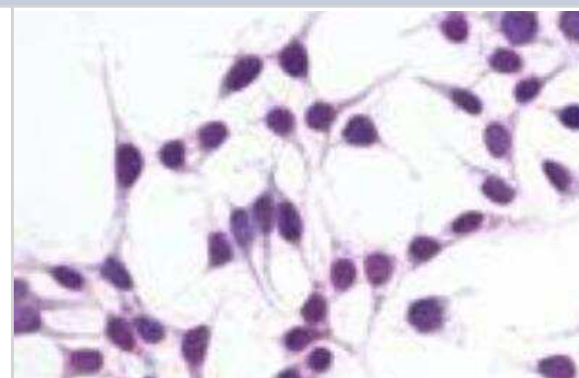
Product Information	
Unit Size	0.05 ml
Concentration	1.0 mg/ml
Storage	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Description	Product can be stored undiluted at 4C for up to 1 month.
Host	Rabbit
Gene ID	154
Gene Symbol	ADRB2
Species	Human
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Gorilla (100%), Marmoset (94%).
Specificity/Sensitivity	Human ADRB2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Immunogen	Synthetic 18 amino acid peptide from C-terminus of human beta-2 Adrenergic R/ADRB2.

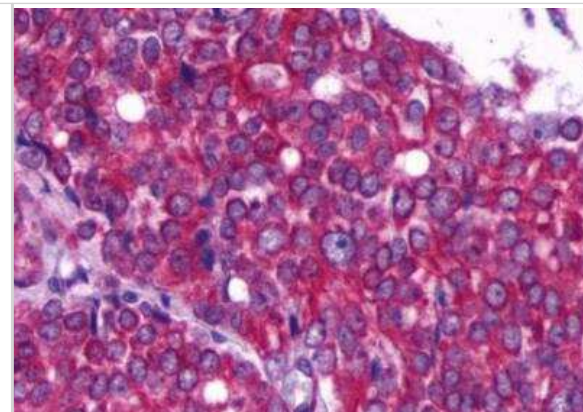
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunocytochemistry
Recommended Dilutions	Western Blot 1:100 - 1:2000, Immunohistochemistry 5 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml, Immunocytochemistry 1:10 - 1:500

Images

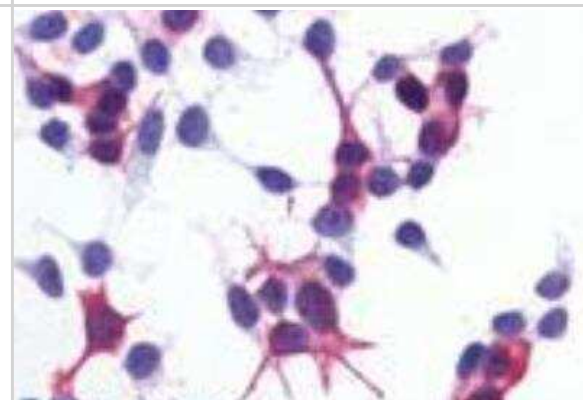
Immunocytochemistry: beta-2 Adrenergic R/ADRB2 Antibody [NLS2656]
 - Staining of untransfected HEK293 human embryonic kidney cells.



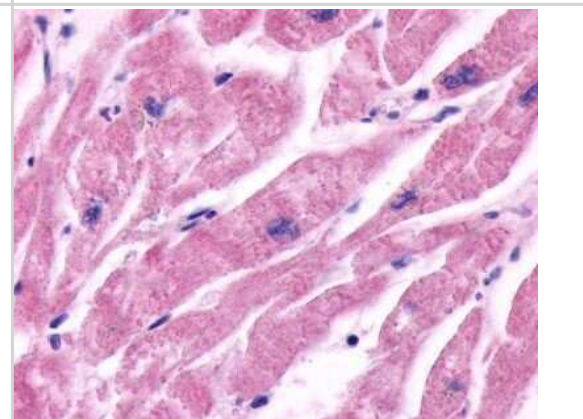
Immunohistochemistry-Paraffin: beta-2 Adrenergic R/ADRB2 Antibody [NLS2656] - Human Prostate, Carcinoma formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



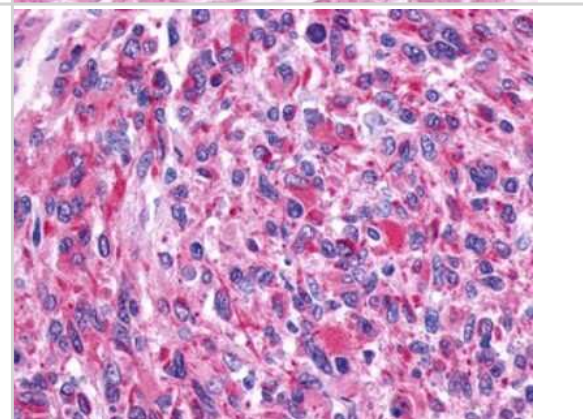
Immunocytochemistry: beta-2 Adrenergic R/ADRB2 Antibody [NLS2656] - Staining of HEK293 human embryonic kidney cells transfected with ADRB2.



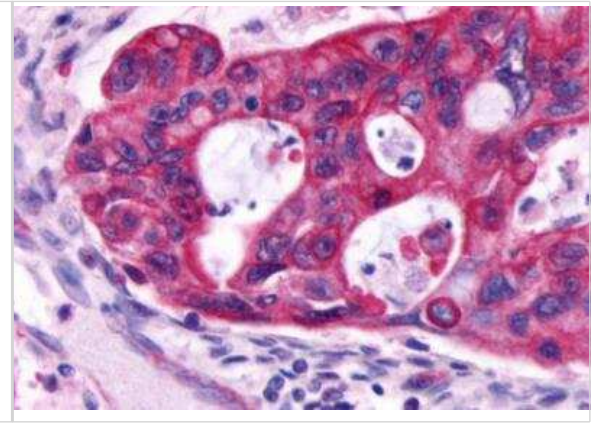
Immunohistochemistry-Paraffin: beta-2 Adrenergic R/ADRB2 Antibody [NLS2656] - Analysis of anti-ADRB2 antibody with heart, cardiac myocytes at 5 ug/ ml.



Immunohistochemistry-Paraffin: beta-2 Adrenergic R/ADRB2 Antibody [NLS2656] - Analysis of anti-ADRB2 antibody with human brain, glioblastoma.



Immunohistochemistry-Paraffin: beta-2 Adrenergic R/ADRB2 Antibody [NLS2656] - Human Colon, Carcinoma formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Procedures

Immunohistochemistry Protocol for Beta 2 Adrenergic Receptor Antibody (NLS2656)

Immunohistochemistry Protocol for Beta 2 Adrenergic Receptor Antibody (NLS2656):

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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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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