Product Datasheet

VIPR1/VPAC1 Antibody
NLS1298

Unit Size: 0.05 ml

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

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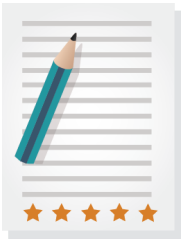

NLS1298

VIPR1/VPAC1 Antibody

Product Information	
Unit Size	0.05 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	7433
Gene Symbol	VIPR1
Species	Human
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Gorilla (100%), Gibbon (100%), Marmoset (81%), Canine (81%), Bovine (81%), Panda (81%), Porcine (81%).
Specificity/Sensitivity	Human VIP Receptor 1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Immunogen	Synthetic 16 amino acid peptide from 1st cytoplasmic domain of human VIP Receptor 1.

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 1:10-1:500

Procedures

Immunohistochemistry Protocol for VIP Receptor 1 Antibody (NLS1298)
Immunohistochemistry

1. Prepare tissue with formalin fixation and by embedding it in paraffin wax.
2. Make 4-mm 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 5 minutes each @ RT.
5. Rehydrate the tissues by washing the slides in 3 changes of 100% alcohol 3 minutes each @ RT.
6. Wash the slides in 2 changes of 95% alcohol 3 minutes each @ RT.
7. Wash the slides in 1 change of 80% alcohol 3 minutes @ RT.
8. Rinse the slides in gentle running distilled water 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 20 minutes @ RT.
13. Drain protein block from the slides and apply the diluted primary antibody 45 minutes @ RT.
14. Rinse the slide in 1X TBS-T 1 minute @ RT.
15. Apply a biotinylated anti-rabbit IgG (H+L) secondary 30 minutes @ RT.
16. Rinse the slide in 1X TBS-T 1 minute @ RT.
17. Apply an alkaline phosphatase steptavidin minutes @ RT.
18. Rinse the slide in 1X TBS-T 1 minute @ RT.
19. Apply an alkaline phosphatase chromagen substrate 30 minutes @ RT.
20. Rinse the slide in distilled water 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 1 minute each @ RT.
22. Wash the slides in 2 changes of 95% alcohol 1 minute each @ RT.
23. Wash the slides in 3 changes of 100% alcohol 1 minute each @ RT.
24. Wash the slides in 3 changes of xylene 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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