

Product Datasheet

EBI2/GPR183 Antibody - BSA Free NLS46

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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Updated 6/18/2023 v.20.1

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NLS46

EBI2/GPR183 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	1880
Gene Symbol	GPR183
Species	Human, Mouse, Rat
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Gorilla (100%), Marmoset (95%), Hamster (85%), Bat (85%), Chicken (85%).
Specificity/Sensitivity	Human EBI2/GPR183. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Immunogen	Synthetic 20 amino acid peptide from 3rd cytoplasmic domain of human EBI2/GPR183.

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 5 - 10 ug/ml



Procedures

Immunohistochemistry protocol for EBI2/GPR183 Antibody (NLS46)

Immunohistochemistry Protocol for EBI2/GPR183 Antibody (NLS46):

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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