

Product Datasheet

LPAR1/LPA1/EDG-2 Antibody - BSA Free NLS211

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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NLS211**LPAR1/LPA1/EDG-2 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

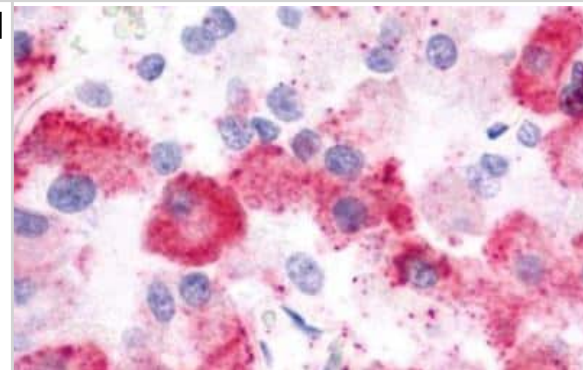
Product Description	
Description	Product can be stored undiluted at 4C for up to 1 month.
Host	Rabbit
Gene ID	1902
Gene Symbol	LPAR1
Species	Human, Mouse, Rat, Porcine, Bat, Bovine, Canine, Chicken, Equine, Hamster, Primate, Monkey, Rabbit, Sheep, Xenopus
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Gorilla (100%), Gibbon (100%), Marmoset (100%).
Specificity/Sensitivity	Human EDG2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Immunogen	Synthetic 19 amino acid peptide from 3rd cytoplasmic domain of human LPAR1/LPA1/EDG-2.

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 2-3 ug/ml

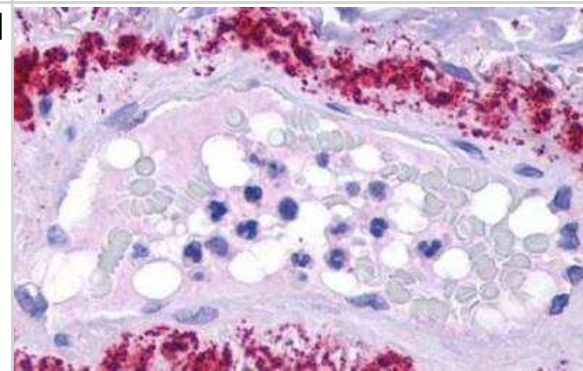


Images

Immunohistochemistry-Paraffin: LPAR1/LPA1/EDG-2 Antibody [NLS211]
- Brain, Pituitary



Immunohistochemistry-Paraffin: LPAR1/LPA1/EDG-2 Antibody [NLS211]
- Lung, Asthma, Vessel



Publications

Ward Y, Lake R, Yin JJ et al. LPA receptor heterodimerizes with CD97 to amplify LPA-initiated RHO-dependent signaling and invasion in prostate cancer cells. Cancer Res. 2011-12-01 [PMID: 21978933] (Human)

Procedures

Immunohistochemistry Protocol for EDG2 Antibody (NLS211)

Immunohistochemistry Protocol for EDG2 Antibody (NLS211):

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 at 60 degrees Celcius.
4. Deparaffinize the tissues by wash drying the slides in 3 changes of xylene approximately 5 minutes each @ RT.
5. Rehydrate the tissues by washing the slides in 3 changes of 100% alcohol approximately 3 minutes each @ RT.
6. Wash the slides in 2 changes of 95% alcohol approximately 3 minutes each @ RT.
7. Wash the slides in 1 change of 80% alcohol approximately 3 minutes @ RT.
8. Rinse the slides in gentle running distilled water approximately 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 approximately 20 minutes @ RT.
13. Drain protein block from the slides and apply the diluted primary antibody approximately 45 minutes @ RT.
14. Rinse the slide in 1X TBS-T approximately 1 minute @ RT.
15. Apply a biotinylated anti-rabbit IgG (H+L) secondary approximately 30 minutes @ RT.
16. Rinse the slide in 1X TBS-T approximately 1 minute at RT.
17. Apply an alkaline phosphatase streptavidin approximately 30 minutes at RT.
18. Rinse the slide in 1X TBS-T approximately 1 minute at RT.
19. Apply an alkaline phosphatase chromagen substrate approximately 30 minutes at RT.
20. Rinse the slide in distilled water approximately 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 approximately 1 minute each @ RT.
22. Wash the slides in 2 changes of 95% alcohol approximately 1 minute each @ RT.
23. Wash the slides in 3 changes of 100% alcohol approximately 1 minute each @ RT.
24. Wash the slides in 3 changes of xylene approximately 1 minute each @ RT.
25. Apply cover slip.





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Products Related to NLS211

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-03363PEP	LPAR1/LPA1/EDG-2 Antibody Blocking Peptide

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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