

Product Datasheet

TGR5/GPBAR1 Antibody - BSA Free NLS1937

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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NLS1937

TGR5/GPBAR1 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

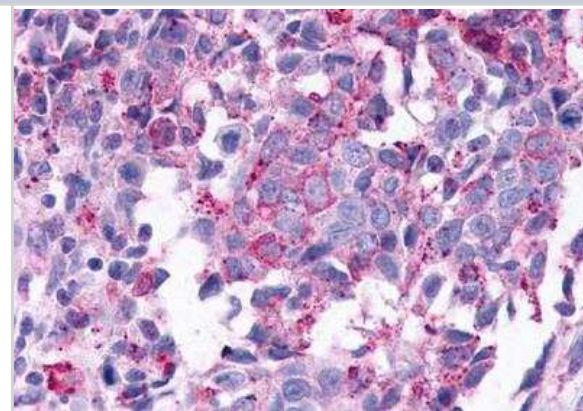
Description	Product can be stored undiluted at 4C for up to 1 month.
Host	Rabbit
Gene ID	151306
Gene Symbol	GPBAR1
Species	Human, Mouse
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Gorilla (100%), Gibbon (95%), Hamster (89%).
Specificity/Sensitivity	Human TGR5. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Immunogen	Synthetic 19 amino acid peptide from C-terminus of human TGR5/GPBAR1.

Product Application Details

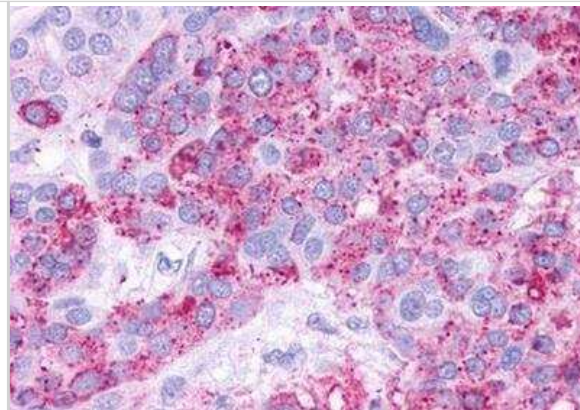
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 6 - 16 ug/ml, Immunohistochemistry-Frozen
Application Notes	Use in ICC/IF, IHC-FR reported in scientific literature (PMID: 23041323).

Images

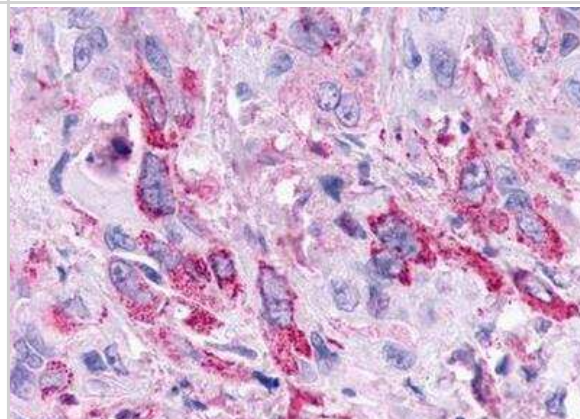
Immunohistochemistry-Paraffin: TGR5/GPBAR1 Antibody [NLS1937] - Breast, Carcinoma



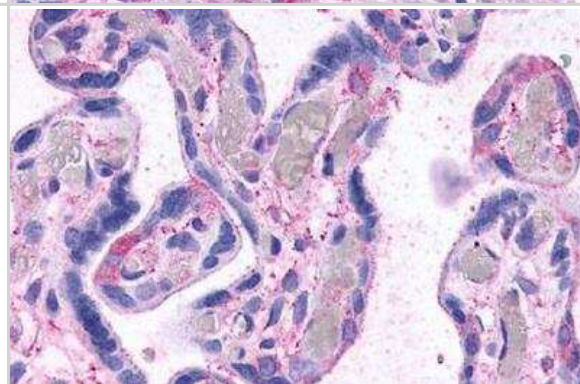
Immunohistochemistry-Paraffin: TGR5/GPBAR1 Antibody [NLS1937] -
Analysis of anti-GPBAR1 / TGR5 antibody with human ovary, carcinoma.



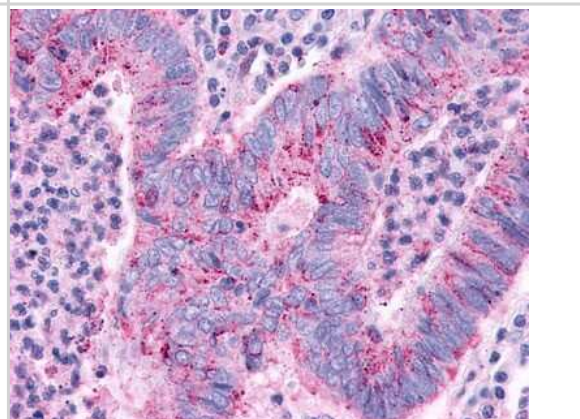
Immunohistochemistry-Paraffin: TGR5/GPBAR1 Antibody [NLS1937] -
Analysis of anti-GPBAR1 / TGR5 antibody with human pancreas,
carcinoma.



Immunohistochemistry-Paraffin: TGR5/GPBAR1 Antibody [NLS1937] -
Analysis of anti-GPBAR1 / TGR5 antibody with human placenta.



Immunohistochemistry-Paraffin: TGR5/GPBAR1 Antibody [NLS1937] -
Analysis of anti-GPBAR1 / TGR5 antibody with human colon, carcinoma.



Publications

Alemi F, Poole DP, Chiu J et al. The Receptor Tgr5 Mediates The Prokinetic Actions Of Intestinal Bile Acids And Is Required For Normal Defecation In Mice Gastroenterology 2012-10-03 [PMID: 23041323] (ICC/IF, IHC-Fr, Mouse)

Procedures

Immunohistochemistry Protocol for TGR5 Antibody (NLS1937)

Immunohistochemistry Protocol for TGR5 Antibody (NLS1937):

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 NLS1937

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-23669PEP	TGR5/GPBAR1 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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