

Product Datasheet

GPR39 Antibody - BSA Free NLS142

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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NLS142

GPR39 Antibody - BSA Free

Product Information

Unit Size	0.05 ml
Concentration	1.07 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS and 30% Glycerol

Product Description

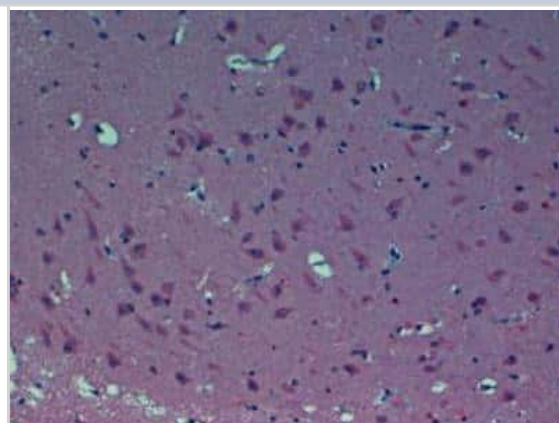
Host	Rabbit
Gene ID	2863
Gene Symbol	GPR39
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 25604641)
Immunogen	A synthetic peptide made to an internal region of the human GPR39 protein (within residues 400-500). [Swiss-Prot O43194]

Product Application Details

Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:50, Immunohistochemistry-Paraffin 1:50
Application Notes	This GPR39 antibody is useful for Immunohistochemistry paraffin embedded sections. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended

Images

Immunohistochemistry: GPCR GPR39 Antibody [NLS142] - IHC analysis of GPR39 in human brain using Fast Red with hematoxylin counterstain.



Publications

Hu-Hu Bai, Kang-Li Wang, Xiang-Ru Zeng, Jing Li, Yuan Li, Jia-Yu Xu, Yue Zhang, Hai-Feng Jiang, Xian Yang, Zhan-Wei Suo, Xiao-Dong Hu GPR39 regulated spinal glycinergic inhibition and mechanical inflammatory pain Science Advances 2024-02-02 [PMID: 38306424]

Qiao J, Zhao H, Zhang Y et al. GPR39 is region-specifically expressed in mouse oviduct correlating with the Zn(2+) distribution Theriogenology 4269-01-01 [PMID: 27865419] (IF/IHC, Mouse)

Zhao H, Qiao J, Zhang S et al. GPR39 marks specific cells within the sebaceous gland and contributes to skin wound healing Sci Rep. 2015-01-21 [PMID: 25604641] (IF/IHC, Mouse)

Besser L, Chorin E, Sekler I et al. Synaptically Released Zinc Triggers Metabotropic Signaling via a Zinc-Sensing Receptor in the Hippocampus. J Neurosci;29(9):2890-2901. 2009-01-01 [PMID: 19261885]



Procedures

Immunocytochemistry/Immunofluorescence protocol for GPR39 Antibody (NLS142)

GPR39 Antibody:

Immunohistochemistry-Paraffin Embedded Sections

Antigen Unmasking:

Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes.

Staining:

1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in wash buffer for 5 minutes.
3. Block each section with 100-400 ul blocking solution for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 degrees C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul biotinylated diluted secondary antibody. Incubate 30 minutes at room temperature.
7. Remove secondary antibody solution and wash sections three times with wash buffer for 5 minutes each.
8. Add 100-400 ul Streptavidin-HRP reagent to each section and incubate for 30 minutes at room temperature.
9. Wash sections three times in wash buffer for 5 minutes each.
10. Add 100-400 ul DAB substrate to each section and monitor staining closely.
11. As soon as the sections develop, immerse slides in deionized water.
12. Counterstain sections in hematoxylin.
13. Wash sections in deionized water two times for 5 minutes each.
14. Dehydrate sections.
15. Mount coverslips.

*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures.





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Products Related to NLS142

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NLS142B	GPR39 Antibody [Biotin]

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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