

# 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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[technical@novusbio.com](mailto:technical@novusbio.com)

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**NLS142**

GPR39 Antibody - BSA Free

**Product Information**

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

**Product Description**

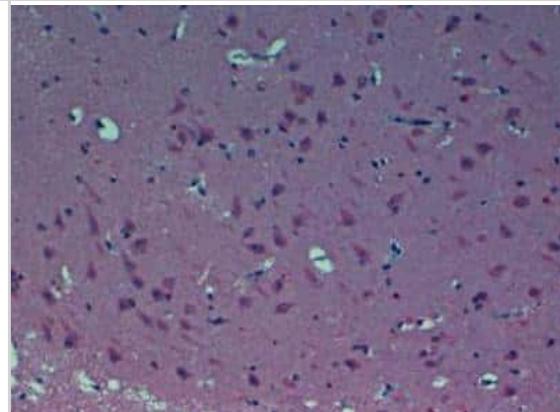
<b>Description</b>	Novus Biologicals Rabbit GPR39 Antibody - BSA Free (NLS142) is a polyclonal antibody validated for use in IHC. Anti-GPR39 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	2863
<b>Gene Symbol</b>	GPR39
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 25604641)
<b>Immunogen</b>	A synthetic peptide made to an internal region of the human GPR39 protein (within residues 400-500). [Swiss-Prot O43194]

**Product Application Details**

<b>Applications</b>	Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry 1:50, Immunohistochemistry-Paraffin 1:50
<b>Application Notes</b>	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.



## Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

## Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

## Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

## General Contact Information

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

## 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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