

# Product Datasheet

## GPR39 Antibody - BSA Free NLS139

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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### Publications: 4

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**NLS139**

GPR39 Antibody - BSA Free

Product Information	
Unit Size	0.05 ml
Concentration	1.1 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

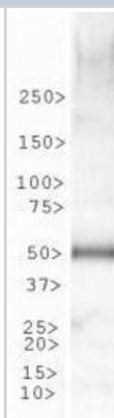
Product Description	
Description	Novus Biologicals Rabbit GPR39 Antibody - BSA Free (NLS139) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-GPR39 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2863
Gene Symbol	GPR39
Species	Human, Mouse
Immunogen	A synthetic peptide made to an internal region of the human GPR39 protein (within residues 150-200). [Swiss-Prot O43194]

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 2 ug/ml, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:100, Immunoblotting reported in scientific literature (PMID 29079520)
Application Notes	In Western blot a band is observed at ~50 kDa. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended.

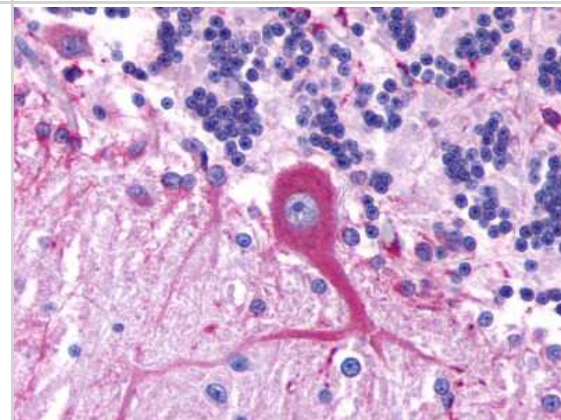


## Images

Western Blot: GPR39 Antibody [NLS139] - Western blot analysis of GPR39 in human small intestine lysate.



Immunohistochemistry: GPR39 Antibody [NLS139] - Staining of human brain, neurons, and glia.



## Publications

Tang Y, Yang J, Ye C Et al. miR-182 mediated the inhibitory effects of NF- kappa B on the GPR39/CREB/BDNF pathway in the hippocampus of mice with depressive-like behaviors Behavioural Brain Research 2022-02-01 [PMID: 34743948] (WB, Mouse)

Wu X, Dou Y, Xu H, Jiang Z The expression and clinical significance of GPR39 in colon cancer Irish journal of medical science 2021-09-29 [PMID: 34586565] (IHC-P, Human)

Yang Q, Li Y, Zhang X, Chen D. Zac1/GPR39 phosphorylating CaMK-II contributes to the distinct roles of Pax3 and Pax7 in myogenic progression. Biochim Biophys Acta Mol Basis Dis 2018-02-01 [PMID: 29079520]

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)

## Procedures

### Protocol specific for GPCR GPR39 Antibody (NLS139)

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 NLS139**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NLS139B	GPR39 Antibody [Biotin]

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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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