

# Product Datasheet

## RGS5 Antibody (OTI1C1) NBP2-00880

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-00880**

RGS5 Antibody (OTI1C1)

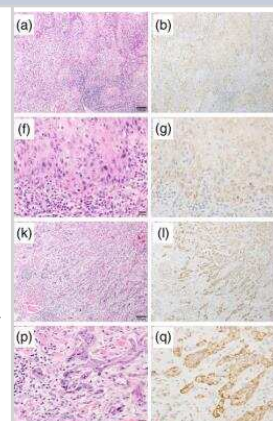
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI1C1
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	20.8 kDa

Product Description	
Host	Mouse
Gene ID	8490
Gene Symbol	RGS5
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full length human recombinant protein of human RGS5 (NP_003608) produced in HEK293T cell.

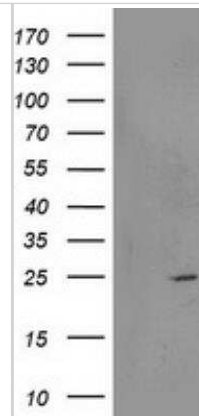
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:150

**Images**

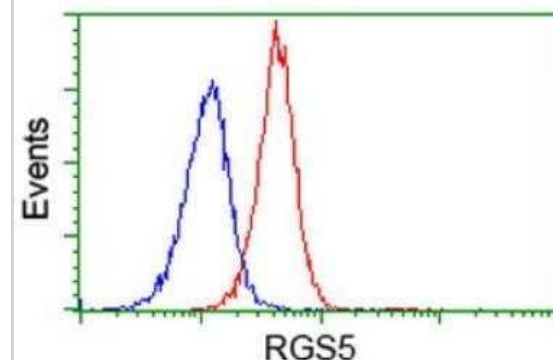
Immunohistochemistry: RGS5 Antibody (OTI1C1) [NBP2-00880] - Representative photomicrographs of hematoxylin and eosin and regulator of G-protein signaling (RGS) 5 in squamous cell carcinoma of the tongue in noninvasive and invasive portions. (a), (b), show H&E and RGS5 in noninvasive portions at 10x magnification. (f), (g), show H&E and RGS5 in noninvasive portions at 40x magnification. (k), (l) show H&E and RGS5 in invasive portions at 10x magnification. (p), (q), show H&E and RGS5 in invasive portions at 40x magnification. Image collected and cropped by CiteAb from the following publication (<https://onlinelibrary.wiley.com/doi/abs/10.1002/cre2.166>) licensed under a CC-BY license.



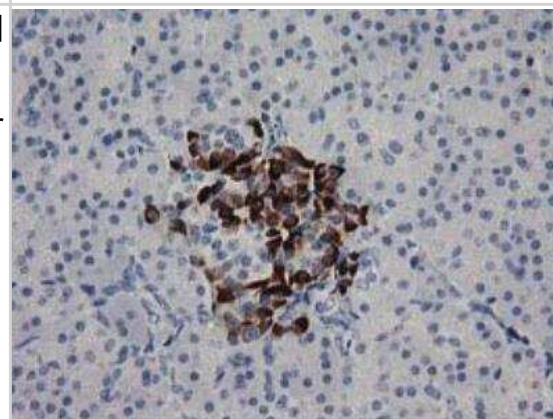
**Western Blot: RGS5 Antibody (OT11C1) [NBP2-00880]** - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY RGS5 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RGS5.



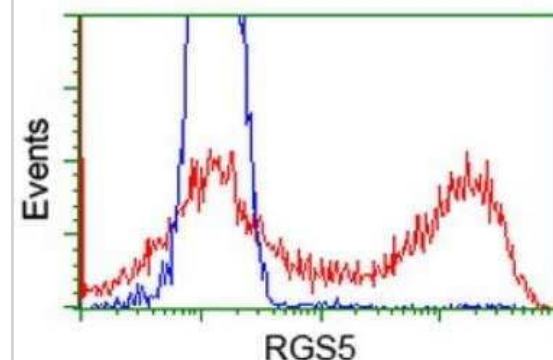
**Flow Cytometry: RGS5 Antibody (OT11C1) [NBP2-00880]** - Flow cytometric Analysis of Jurkat cells, using anti-RGS5 antibody, (Red), compared to a nonspecific negative control antibody, (Blue).



**Immunohistochemistry-Paraffin: RGS5 Antibody (OT11C1) [NBP2-00880]** - Staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-RGS5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100 degrees C for 10min)



**Flow Cytometry: RGS5 Antibody (OT11C1) [NBP2-00880]** - HEK293T cells transfected with either overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-RGS5 antibody and then analyzed by flow cytometry.



Immunohistochemistry: RGS5 Antibody (OTI1C1) [NBP2-00880] - Representative photomicrographs of hematoxylin & eosin (H&E), CK5/6, regulator of G-protein signaling (RGS) 5, N-cadherin, vimentin, & E-cadherin in squamous cell carcinoma of the tongue in noninvasive & invasive portions. (a), (b), (c), (d), & (e) show H&E, RGS5, N-cadherin, vimentin, & E-cadherin in noninvasive portions at 10× magnification. (f), (g), (h), (i), & (j) show H&E, RGS5, N-cadherin, vimentin, & E-cadherin in noninvasive portions at 40× magnification. (k), (l), (m), (n), & (o) show H&E, RGS5, N-cadherin, vimentin, & E-cadherin in invasive portions at 10× magnification. (p), (q), (r), (s), & (t) show H&E, RGS5, N-cadherin, vimentin, & E-cadherin in invasive portions at 40× magnification Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31049219>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Kondo R, Akiba J, Ogasawara S et al. Programmed death-ligand 1 expression is an unfavorable prognostic factor of hepatocellular carcinoma after achieving sustained virologic response for hepatitis C virus infection *Oncol Lett* 2019-08-01 [PMID: 31423211] (IF/IHC, Human)

Li X, Guo W, Zha K et al. Enrichment of CD146+ Adipose-Derived Stem Cells in Combination with Articular Cartilage Extracellular Matrix Scaffold Promotes Cartilage Regeneration *Theranostics* 2019-07-09 [PMID: 31410204] (WB, Human)

Abe Y, Ogasawara S, Akiba J, Naito Y et al. Expression and role of regulator of G-protein signaling 5 in squamous cell carcinoma of the tongue *Clin Exp Dent Res* 2019-04-01 [PMID: 31049219] (IHC-P, Human)

Umeno Y, Ogasawara S, Akiba J, Hattori S. Regulator of G-protein signaling 5 enhances portal vein invasion in hepatocellular carcinoma. *Oncol Lett*. 2018-02-01 [PMID: 29434872] (IHC-P, Human)



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### **Products Related to NBP2-00880**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-72414-100ug	Recombinant Human RGS5 His Protein

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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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