

## Product datasheet for **TA503075**

### **RGS5 Mouse Monoclonal Antibody [Clone ID: OTI1C1]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OTI1C1
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human RGS5 (NP_003608) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	20.8 kDa
Gene Name:	regulator of G protein signaling 5
Database Link:	<a href="#">NP_003608</a> <a href="#">Entrez Gene 8490 Human</a> <a href="#">O15539</a>



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**Background:**

This gene encodes a member of the regulators of G protein signaling (RGS) family. The RGS proteins are signal transduction molecules which are involved in the regulation of heterotrimeric G proteins by acting as GTPase activators. This gene is a hypoxia-inducible factor-1 dependent, hypoxia-induced gene which is involved in the induction of endothelial apoptosis. This gene is also one of three genes on chromosome 1q contributing to elevated blood pressure. Alternatively spliced transcript variants encoding different isoforms have been identified.

**Synonyms:**

MST092; MST106; MST129; MSTP032; MSTP092; MSTP106; MSTP129

**Protein Families:**

Druggable Genome

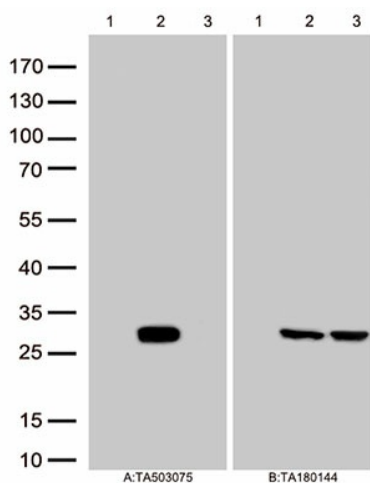
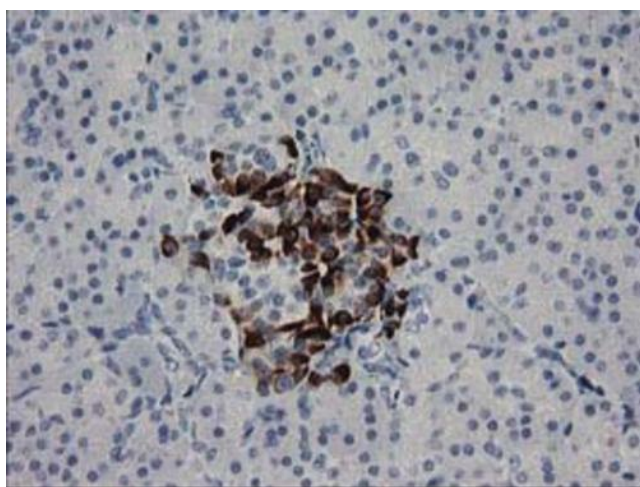
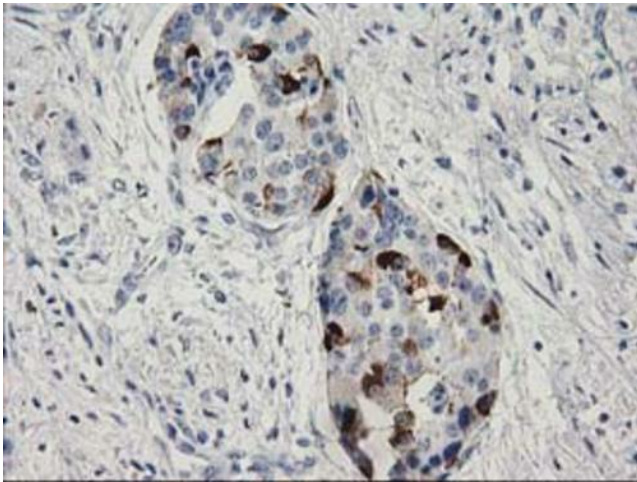
**Product images:**


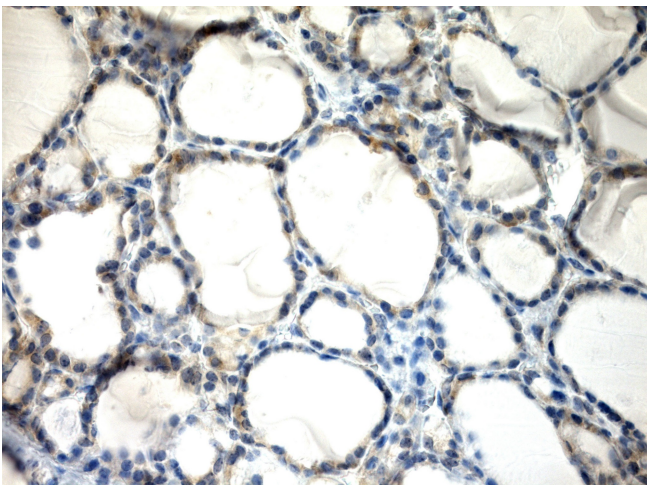
Figure A, Western blot analysis of overexpressed lysates(25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane 1) , human RGS5 plasmid ([RC206857], lane 2), mouse RGS5 plasmid ([MR201631], lane 3) using anti-RGS5 antibody TA503075 (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



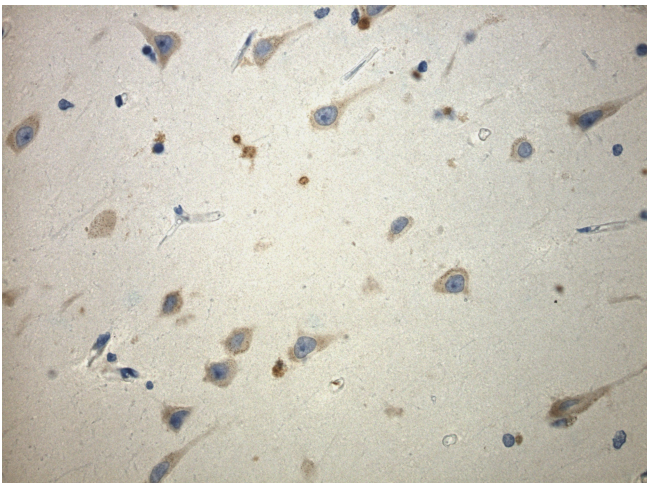
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-RGS5 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-RGS5 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded normal thyroid using anti-RGS5 antibody TA503075 clone OT11C1 mouse monoclonal antibody. Protocol used HIER TEE pH9.0 (cat# [B21-100]) and anti-RGS5 at 1:100 dilution. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image 40x magnification.



Immunohistochemical staining of paraffin-embedded normal brain using anti-RGS5 antibody TA503075 clone OT11C1 mouse monoclonal antibody. HIER TEE pH9.0 (cat# [B21-100]) and anti-RGS5 at 1:100 dilution. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image 40x magnification.

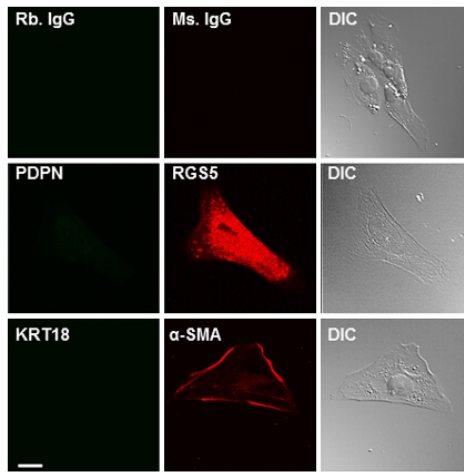


Figure from citation: Immunofluorescence of RGS5 protein level by using anti-RGS5 antibody in primary neonatal pig GMCs. [View Citation](#)

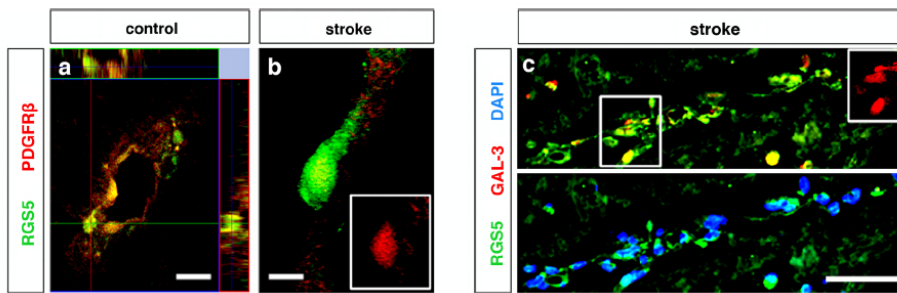
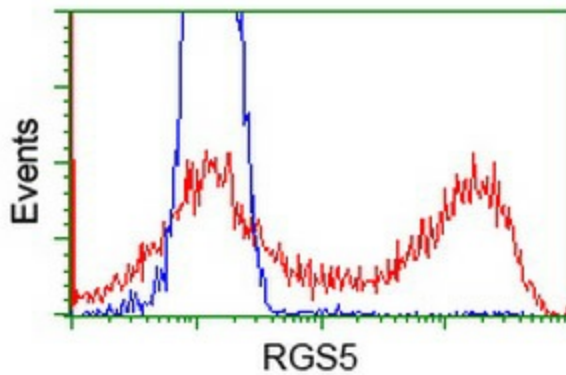
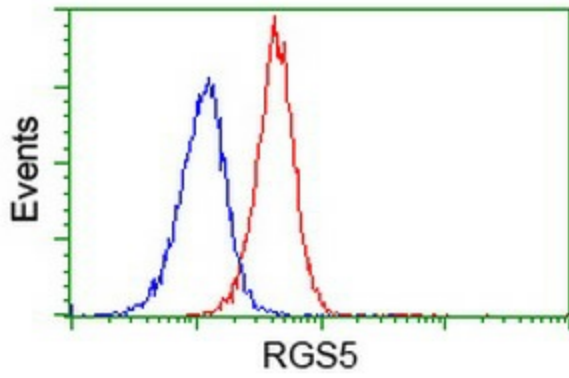


Figure from citation: Immunofluorescence of RGS5 protein level by using anti-RGS5 antibody in human brain pericytes. Dilution: 1:200 [View Citation](#)



HEK293T cells transfected with either [RC206857] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-RGS5 antibody (TA503075), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-RGS5 antibody (TA503075), (Red), compared to a nonspecific negative control antibody, (Blue).