

RGS3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant RGS3.

Catalog # AT3630a

Product Information

Application	WB, IHC, IF, E
Primary Accession	P49796
Other Accession	BC018072
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1E8-C7
Calculated MW	132336

Additional Information

Gene ID	5998
Other Names	Regulator of G-protein signaling 3, RGP3, RGS3, RGS3
Target/Specificity	RGS3 (AAH18072, 1 a.a. ~ 192 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	RGS3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

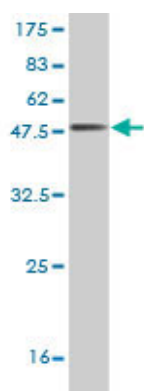
This gene encodes a member of the regulator of G-protein signaling (RGS) family. This protein is a GTP-ase activating protein which inhibits G-protein mediated signal transduction. The protein is largely cytosolic, but G-protein activation leads to translocation of this protein to the plasma membrane. A nuclear form of this protein has also been described, but its sequence has not been identified. Multiple alternatively spliced transcript variants have been described for this gene but the full-length nature of some transcripts is not yet known.

References

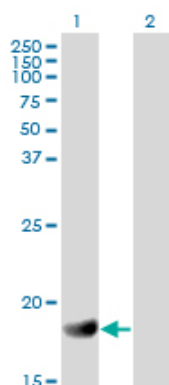
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes

REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Genetic Variations in Regulator of G-Protein Signaling Genes as Susceptibility Loci for Second Primary Tumor/Recurrence in Head and Neck Squamous Cell Carcinoma. Wang J, et al. Carcinogenesis, 2010 Jul 12. PMID 20627871. 14-3-3 protein interacts with and affects the structure of RGS domain of regulator of G protein signaling 3 (RGS3). Rezabkova L, et al. J Struct Biol, 2010 Jun. PMID 20347994. Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121. Genomic assessment of follicular marker genes as pregnancy predictors for human IVF. Hamel M, et al. Mol Hum Reprod, 2010 Feb. PMID 19778949.

Images

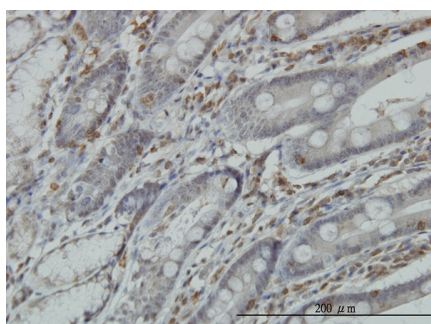


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (46.86 KDa) .

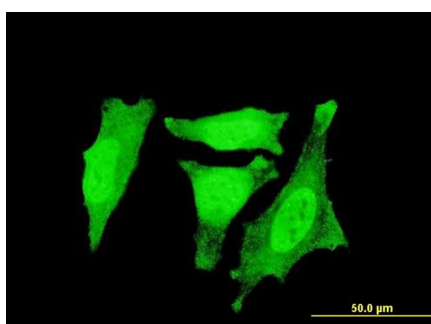


Western Blot analysis of RGS3 expression in transfected 293T cell line by RGS3 monoclonal antibody (M01), clone 1E8-C7.

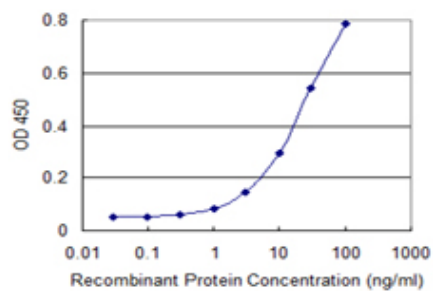
Lane 1: RGS3 transfected lysate (19.5 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to RGS3 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to RGS3 on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged RGS3 is 0.3 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.