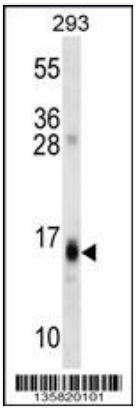
RGS8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RGS8, Polyclonal Antibody
Full Product Name	RGS8 Antibody (N-term)
Product Gene Name	anti-RGS8 antibody
Product Synonym Names	Regulator of G-protein signaling 8; RGS8; RGS8
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
Specificity	This RGS8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-43 amino acids from the N-terminal region of human RGS8.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	RGS8 peptide (MBS9221692) is used for blocking the activity of RGS8 antibody (MBS9201071)
Molecular Weight	20917
Immunogen Sequence Positions	14-43
OMIM	607189
3D Structure	ModBase 3D Structure for P57771
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-RGS8 antibody	Signal Transduction
Applications Tested/Suitable for anti-RGS8 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-RGS8 antibody	WB~~1:1000
Related Product Information for anti-RGS8 antibody	RGS8 is a member of the regulator of G protein signaling (RGS) family and encodes a protein with a single RGS domain. Regulator of G protein signaling (RGS) proteins are regulatory and structural components of G protein-coupled receptor complexes. They accelerate transit through the cycle of GTP binding and hydrolysis to GDP, thereby terminating signal transduction, but paradoxically, also accelerate receptor-stimulated activation.

Product References and Citations for anti-RGS8 antibody	Wang, J., et al. Carcinogenesis 31(10):1755-1761(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Fujii, S., et al. Biochem. Biophys. Res. Commun. 377(1):200-204(2008) Campbell, D.B., et al. Schizophr. Res. 101 (1-3), 67-75 (2008) : Lamesch, P., et al. Genomics 89(3):307-315(2007)
Other Notes	Small volumes of anti-RGS8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RGS8 purchase	MBS9201071 is an antibody targeting RGS8. Also known as RGS8 Antibody (N-term). Reactive in Human (Predicted Reactivity: Mouse, Rat). Host: Rabbit.



Western Blot (WB) of anti-RGS8 antibody
RGS8 Antibody (N-term) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the RGS8 antibody detected the RGS8 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RGS8. It may not necessarily be applicable to this product.

NCBI GI #	156416024
NCBI GeneID	85397
NCBI Accession #	NP_001095920.1
NCBI Related Accession #	NP_203131.1
UniProt Primary Accession #	P57771
UniProt Secondary Accession #	Q3SYD2; B4DGL9
UniProt Related Accession #	P57771
GenBank Nucleotide #	NM_001102450.1
NCBI Official Full Name	regulator of G-protein signaling 8 isoform 2
NCBI Official Synonym Full Names	regulator of G-protein signaling 8
NCBI Official Symbol	RGS8
UniProt Protein Name	Regulator of G-protein signaling 8
Protein Family	Regulator of G-protein signaling
UniProt Gene Name	RGS8
UniProt Synonym Gene Names	RGS8
UniProt Entry Name	RGS8_HUMAN
NCBI Protein Information	regulator of G-protein signaling 8

NCBI Summary for RGS8	This gene is a member of the regulator of G protein signaling (RGS) family and encodes a protein with a single RGS domain. Regulator of G protein signaling (RGS) proteins are regulatory and structural components of G protein-coupled receptor complexes. They accelerate transit through the cycle of GTP binding and hydrolysis to GDP, thereby terminating signal transduction, but paradoxically, also accelerate receptor-stimulated activation. [provided by RefSeq, Jul 2008]
UniProt Comments for RGS8	RGS8: Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Preferentially binds to G(o)-alpha and G(i)-alpha-3. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 1q25 Cellular Component: cytoplasm; plasma membrane Molecular Function: GTPase activator activity Biological Process: positive regulation of GTPase activity
Research Articles on RGS8	**1.** Missense mutations in RGS8 gene is associated with breast cancer.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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