RGS19 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RGS19, Polyclonal Antibody
Full Product Name	RGS19 Antibody, Biotin conjugated
Product Gene Name	anti-RGS19 antibody
Product Synonym Names	Regulator of G-protein signaling 19; RGS19; G-alpha-interacting protein; GAIP; RGS19; GAIP; GNAI3IP
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: RGS19 (MBS7049004) Biotin Conjugated Antibody: RGS19 (MBS7049007)
Molecular Weight	24,636 Da
OMIM	X91809 mRNA
3D Structure	ModBase 3D Structure for P49795
Immunogen	Recombinant Human Regulator of G-protein signaling 19 protein (1-87AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Biotin
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-6207 / sc-6208
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RGS19 antibody	ELISA (EIA)
Related Product Information for anti-RGS19 antibody	Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to G-alpha subfamily 1 members, with the order G(i)a3 > G(i)a1 > G(o)a >> G(z)a/G(i)a2. Activity on G(z)-alpha is inhibited by phosphorylation and palmitoylation of the G-protein.
Other Notes	Small volumes of anti-RGS19 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 RGS19 purchase	MBS7049007 is an antibody targeting RGS19. Also known as RGS19 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RGS19. It may not necessarily be applicable to this product.

NCBI GI #	86990435
NCBI GeneID	10287
NCBI Accession #	NP_001034556.1
UniProt Primary Accession #	P49795
UniProt Secondary Accession #	Q53XN0; Q8TD60; A8K216; E1P5G9
UniProt Related Accession #	P49795
GenBank Nucleotide #	NM_001039467.1
NCBI Official Full Name	regulator of G-protein signaling 19
NCBI Official Synonym Full Names	regulator of G-protein signaling 19
NCBI Official Symbol	RGS19
NCBI Official Synonym Symbols	GAIP; RGSGAIP
UniProt Protein Name	Regulator of G-protein signaling 19
UniProt Synonym Protein Names	G-alpha-interacting protein; GAIP
Protein Family	Regulator of G-protein signaling
UniProt Gene Name	RGS19
UniProt Synonym Gene Names	GAIP; GNAI3IP; RGS19; GAIP
UniProt Entry Name	RGS19_HUMAN
NCBI Protein Information	regulator of G-protein signaling 19
NCBI Summary for RGS19	G proteins mediate a number of cellular processes. The protein encoded by this gene belongs to the RGS (regulators of G-protein signaling) family and specifically interacts with G protein, GAI3. This protein is a guanosine triphosphatase-activating protein that functions to down-regulate Galpha i/Galpha q-linked signaling. Alternatively spliced transcript variants encoding the same protein isoform have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for RGS19	RGS19: inhibits signal transduction by increasing the GTPase activity of g protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to G-alpha subfamily 1 members, with the order G(I)a3 > G(I)a1 > G(O)a >> G(Z)a/G(I)a2. Activity on G(Z)-alpha is inhibited by phosphorylation and palmitoylation of the G-protein. Protein type: GAPs; GAPs, RGS Chromosomal Location of Human Ortholog: 20q13.33 Cellular Component: beta-catenin destruction complex; cell cortex; cytoplasmic microtubule; Golgi apparatus; heterotrimeric G-protein complex; membrane; postsynaptic density Molecular Function: beta-catenin binding; GTPase activator activity; protein binding; protein kinase binding Biological Process: cell death; cell differentiation; dorsal/ventral axis specification; G-protein coupled receptor protein signaling pathway; regulation of transcription, DNA-dependent; small GTPase mediated signal transduction
Research Articles on RGS19	**1.** RGS19 senses cellular iron availability and is stabilized under iron-depleted conditions, resulting in the induction of a growth-inhibitory signal.
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