

Mouse RGS5 Monoclonal Antibody | anti-RGS5 antibody

RGS5 antibody

CATALOG # AAA107213	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence
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PRODUCT SYNONYMS

RGS5; Monoclonal Antibody; RGS5 antibody; Monoclonal RGS5; Anti-RGS5; Regulator Of G-Protein Signaling 5; MST092; MST106; MST129; MSTP032; MSTP092; MSTP106; MSTP129; RGS 5; RGS-5; anti-RGS5 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3H6
Purity/Purification	RGS5 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	181
Applicable Applications for anti-RGS5 antibody	WB (Western Blot), IF (Immunofluorescence)
Biological Significance	The regulator of G protein signaling (RGS) proteins are signal transduction molecules that have structural homology to SST2 of <i>Saccharomyces cerevisiae</i> and EGL-10 of <i>Caenorhabditis elegans</i> . Multiple genes homologous to SST2 are present in higher eukaryotes. RGS proteins are involved in the regulation of heterotrimeric G proteins by acting as GTPase activators.
Cross-Reactivity	Human
Immunogen	RGS5 antibody was raised in mouse using a human recombinant protein fragment corresponding to amino acids 1-181 of human RGS5 (NP_003608) produced in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant RGS5 protein (Right) or empty vector (Left) detected with RGS5 antibody



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant RGS5 protein using RGS5 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-RGS5 antibody	Mouse monoclonal RGS5 antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506519
NCBI GeneID	8490
NCBI Accession #	NP_003608
NCBI GenBank Nucleotide #	NM_003617.3
UniProt Accession #	O15539; Q53XA9; Q599J0; E9PMP5
Molecular Weight	21,402 Da
NCBI Official Full Name	regulator of G-protein signaling 5 isoform 1
NCBI Official Synonym Full Names	regulator of G-protein signaling 5
NCBI Official Symbol	RGS5
NCBI Official Synonym Symbols	MST092; MST106; MST129; MSTP032; MSTP092; MSTP106; MSTP129
NCBI Protein Information	regulator of G-protein signaling 5
UniProt Protein Name	Regulator of G-protein signaling 5
UniProt Gene Name	RGS5
UniProt Synonym Gene Names	RGS5
UniProt Entry Name	RGS5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.