

Rabbit anti-Human RGS5 Polyclonal Antibody | anti-RGS5 antibody

RGS5 Antibody (N-term)

CATALOG # AAA288173	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

RGS5; Polyclonal Antibody; RGS5 Antibody (N-term); Regulator of G-protein signaling 5; anti-RGS5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RGS5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 24-53 amino acids from the N-terminal region of human RGS5.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	24-53
Sequence Length	73
Applicable Applications for anti-RGS5 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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.

IMAGES



IHC (Immunohistochemistry)

RGS5 Antibody (N-term) (AAA288173) immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of RGS5 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

RGS5 Antibody (N-term) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the RGS5 antibody detected the RGS5 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-RGS5 antibody	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.
Product Categories/Family for anti-RGS5 antibody	Cardiovascular; Signal Transduction
References	Wang, J., et al. Carcinogenesis 31(10):1755-1761(2010) Li, H., et al. Proc. Natl. Acad. Sci. U.S.A. 107(31):13818-13823(2010) Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Xiao, B., et al. Clin. Chem. Lab. Med. 47(12):1483-1488(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	305855068
NCBI GeneID	8490
NCBI Accession #	NP_001182232.1; NP_001241677.1; NP_001241678.1; NP_003608.1
NCBI GenBank Nucleotide #	NM_001195303.2
UniProt Accession #	O15539; Q53XA9; Q599J0; E9PMP5
Molecular Weight	20946
NCBI Official Full Name	regulator of G-protein signaling 5 isoform 2
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.