

Rabbit RGS19 Polyclonal Antibody | anti-RGS19 antibody

RGS19 Antibody (S151)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285121	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rat)	Immunohistochemistry, ELISA, Western Blot

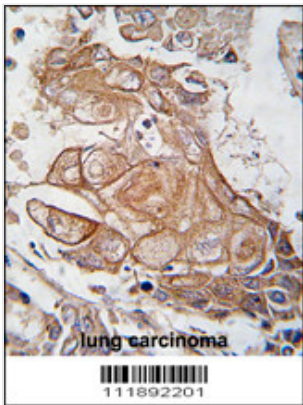
PRODUCT SYNONYMS

RGS19; Polyclonal Antibody; RGS19 Antibody (S151); Regulator of G-protein signaling 19; G-alpha-interacting protein; GAIP; GNAI3IP; anti-RGS19 antibody

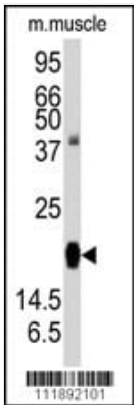
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RGS19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 131-156 amino acids from human RGS19.
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: 0.38 (varies by lot)
Sequence Positions	131-156
Sequence Length	217
Applicable Applications for anti-RGS19 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)
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with Phospho-RGS19-pS151.ctrl antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-RGS19 Antibody (S151) in mouse muscle tissue lysates (35ug/lane). RGS19(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-RGS19 antibody	RGS19 enhances the intrinsic GTPase-activating protein activity of the Galphai3 protein, which stimulates autophagy by favoring the GDP-bound form of Galphai3. Macroautophagy is the major inducible pathway for the general turnover of cytoplasmic constituents in eukaryotic cells, it is also responsible for the degradation of active cytoplasmic enzymes and organelles during nutrient starvation. Macroautophagy involves the formation of double-membrane bound autophagosomes which enclose the cytoplasmic constituent targeted for degradation in a membrane bound structure, which then fuse with the lysosome (or vacuole) releasing a single-membrane bound autophagic bodies which are then degraded within the lysosome (or vacuole).
Product Categories/Family for anti-RGS19 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Baehrecke EH. Nat Rev Mol Cell Biol. 6(6):505-10. (2005) Lum JJ, et al. Nat Rev Mol Cell Biol. 6(6):439-48. (2005) Greenberg JT. Dev Cell. 8(6):799-801. (2005) Levine B. Cell. 120(2):159-62. (2005) Shintani T and Klionsky DJ. Science. 306(5698):990-5. (2004) de Vries L., et al. PNAS 93:15203-15208(1996) de Alba E., et al. J. Mol. Biol. 291:927-939(1999) Wang J., et al. J. Biol. Chem. 273:26014-26025(1998) Ogier-Denis E., et al. J. Biol. Chem. 275:39090-39095(2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	86990435
NCBI GeneID	10287
NCBI Accession #	NP_001034556.1; NP_005864.1
NCBI GenBank Nucleotide #	NM_001039467.1
UniProt Accession #	P49795; Q53XN0; Q8TD60; A8K216; E1P5G9
Molecular Weight	24636
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
NCBI Protein Information	regulator of G-protein signaling 19
UniProt Protein Name	Regulator of G-protein signaling 19
UniProt Gene Name	RGS19
UniProt Synonym Gene Names	GAIP; GNAI3IP; RGS19; GAIP
UniProt Entry Name	RGS19_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rgs19-antibody-immunohistochemistry-western-blot-elisa/285121>