

Rabbit anti-Human RGS19 Polyclonal Antibody | anti-RGS19 antibody

RGS19 Antibody (S24)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290674	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

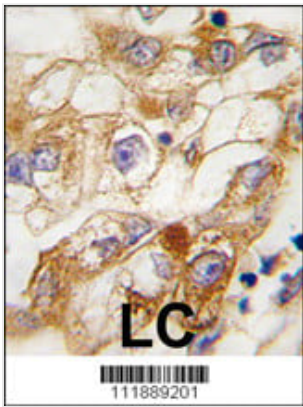
PRODUCT SYNONYMS

RGS19; Polyclonal Antibody; RGS19 Antibody (S24); Regulator of G-protein signaling 19; G-alpha-interacting protein; GAIP; GNAI3IP; anti-RGS19 antibody

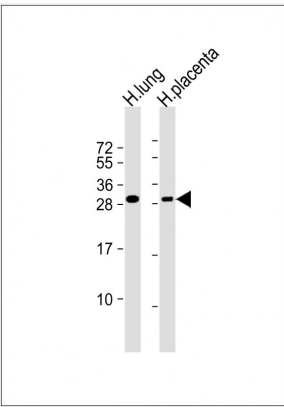
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Ig
Specificity	This RGS19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9~39 amino acids surrounding S24 of human RGS19.
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.
Sequence Length	217
Applicable Applications for anti-RGS19 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Subtitle	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Cellular Location	Membrane; Lipid-anchor.
Tissue Location	Highest expression in lung. Placenta, liver and heart also express high levels of GAIP.
Antigen Region	9-39 aa
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 RGS19 Antibody (S24), 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)
All lanes : Anti-RGS19 Antibody (S24) at 1:1000 dilution
Lane 1: human lung lysate
Lane 2: human placenta lysate
Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDa
Blocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

Related Product Information for anti-RGS19 antibody	Description: 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). Background: 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.
Product Categories/Family for anti-RGS19 antibody	Primary Antibodies ; 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
NCBI GenBank Nucleotide #	NM_001039467.1
UniProt Accession #	P49795 ; Q53XN0 ; Q8TD60 ; A8K216 ; E1P5G9
Molecular Weight	24636 Da
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://www.aaabiotech.com/polyclonal/rgs19-antibody-immunohistochemistry-western-blot-elisa/290674>