

Rabbit RGS6 Polyclonal Antibody | anti-RGS6 antibody

Anti-RGS6 Antibody

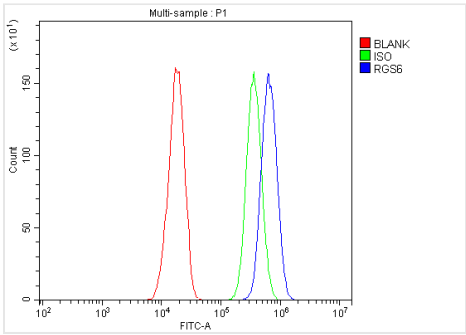
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19308	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

RGS6; Polyclonal Antibody; Anti-RGS6 Antibody; Regulator of G-protein signaling 6; S914; regulator of G protein signaling 6; anti-RGS6 antibody

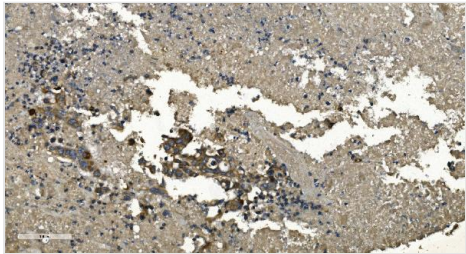
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for RGS6 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.01mg NaN ₃ .
Applicable Applications for anti-RGS6 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA (Direct ELISA)
Application Notes	WB: 0.25-0.5ug/ml Human, Mouse, Rat IHC-P: 2-5ug/ml Human FC/FACS/FCM: 1-3ug/1x10 ⁶ cells Human Direct ELISA: 0.1-0.5ug/ml Human
Immunogen	E Coli-derived human RGS6 recombinant protein (Position: D7-E357).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



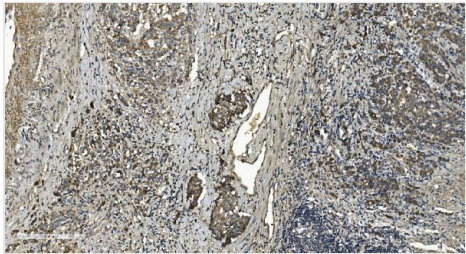
FCM (Flow Cytometry)

Figure 7. Flow Cytometry analysis of MCF-7 cells using anti-RGS6 antibody (AAA19308).Overlay histogram showing MCF-7 cells stained with AAA19308 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-RGS6 Antibody (AAA19308, 1μg/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



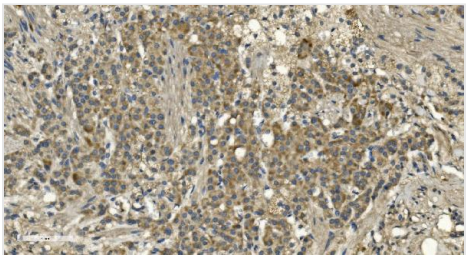
IHC (Immunohistochemistry)

Figure 5. IHC analysis of RGS6 using anti-RGS6 antibody (AAA19308).RGS6 was detected in paraffin-embedded section of human pancreatic cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-RGS6 Antibody (AAA19308) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen.



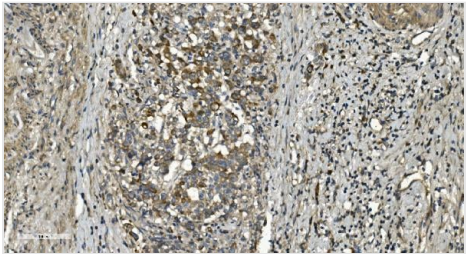
IHC (Immunohistochemistry)

Figure 3. IHC analysis of RGS6 using anti-RGS6 antibody (AAA19308).RGS6 was detected in paraffin-embedded section of human gastric cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-RGS6 Antibody (AAA19308) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen.



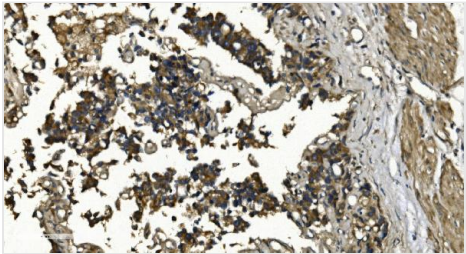
IHC (Immunohistochemistry)

Figure 6. IHC analysis of RGS6 using anti-RGS6 antibody (AAA19308).RGS6 was detected in paraffin-embedded section of human renal carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-RGS6 Antibody (AAA19308) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of RGS6 using anti-RGS6 antibody (AAA19308).RGS6 was detected in paraffin-embedded section of human gastric cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-RGS6 Antibody (AAA19308) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of RGS6 using anti-RGS6 antibody (AAA19308).RGS6 was detected in paraffin-embedded section of human bladder cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-RGS6 Antibody (AAA19308) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-RGS6 antibody	Regulator of G-protein signaling 6 is a protein that in humans is encoded by the RGS6 gene. This gene encodes a member of the RGS (regulator of G protein signaling) family of proteins, which are defined by the presence of a RGS domain that confers the GTPase-activating activity of these proteins toward certain G alpha subunits. This protein also belongs to a subfamily of RGS proteins characterized by the presence of DEP and GGL domains, the latter a G beta 5-interacting domain. The RGS proteins negatively regulate G protein signaling, and may modulate neuronal, cardiovascular, lymphocytic activities, and cancer risk. Many alternatively spliced transcript variants encoding different isoforms with long or short N-terminal domains, complete or incomplete GGL domains, and distinct C-terminal domains, have been described for this gene, however, the full-length nature of some of these variants is not known.
References	1. Berman, D. M., Wang, Y., Liu, Z., Dong, Q., Burke, L. -A., Liotta, L. A., Fisher, R., Wu, X. A functional polymorphism in RGS6 modulates the risk of bladder cancer. <i>Cancer Res.</i> 64: 6820-6826, 2004. 2. Chatterjee, T. K., Liu, Z., Fisher, R. A. Human RGS6 gene structure, complex alternative splicing, and role of N terminus and G protein gamma-subunit-like (GGL) domain in subcellular localization of RGS6 splice variants. <i>J. Biol. Chem.</i> 278: 30261-30271, 2003. 3. Posner, B. A., Gilman, A. G., Harris, B. A. Regulators of G protein signaling 6 and 7: purification of complexes with G-beta-5 and assessment of their effects on G protein-mediated signaling pathways. <i>J. Biol. Chem.</i> 274: 31087-31093, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	325053674
NCBI GeneID	9628
NCBI Accession #	NP_001191345
NCBI GenBank Nucleotide #	NM_004296
UniProt Accession #	P49758 ; O75576 ; O75577 ; Q7Z4K3 ; Q7Z4K4 ; Q7Z4K5 ; Q7Z4K6 ; Q8TE13 ; Q8TE14 ; Q8TE15 ; C9JE95 ; F8W7W5
Molecular Weight	53,319 Da
NCBI Official Full Name	regulator of G-protein signaling 6 isoform 1
NCBI Official Synonym Full Names	regulator of G-protein signaling 6
NCBI Official Symbol	RGS6
NCBI Official Synonym Symbols	GAP
NCBI Protein Information	regulator of G-protein signaling 6; GTPase activating protein; H_DJ1108A12.1; S914; WUGSC:H_DJ0283M22.1; WUGSC:H_DJ1108A12.1; regulator of G-protein signalling 6
UniProt Protein Name	Regulator of G-protein signaling 6
UniProt Gene Name	RGS6
UniProt Synonym Gene Names	RGS6
UniProt Entry Name	RGS6_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/rgs6-antibody-western-blot-immunohistochemistry-flow-cytometry-direct-elisa-elisa/19308>