

Rabbit RGS10 Polyclonal Antibody | anti-RGS10 antibody

RGS10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325065	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

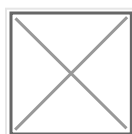
PRODUCT SYNONYMS

RGS10; Polyclonal Antibody; RGS10 Antibody; Regulator of G protein signaling 10; Regulator of G-protein signaling 10; RGS10_HUMAN; anti-RGS10 antibody

PRODUCT SPECIFICATIONS

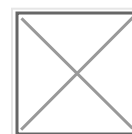
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RGS10 antibody detects endogenous levels of total RGS10
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	181
Applicable Applications for anti-RGS10 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytosol; Nucleus
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using RGS10 antibody.



IHC (Immunohistochemistry)

AAA325065 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA325065 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from rat brain, using RGS10 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RGS10 antibody

Function: Regulates G protein-coupled receptor signaling cascades, including signaling downstream of the muscarinic acetylcholine receptor CHRM2. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form (PubMed:8774883, PubMed:10608901, PubMed:9353196, PubMed:11443111, PubMed:18434541). Modulates the activity of potassium channels that are activated in response to CHRM2 signaling (PubMed:11443111). Activity on GNAZ is inhibited by palmitoylation of the G-protein (PubMed:9353196).

Subunit Structure: Interacts with GNAZ, GNAI1 and GNAI3 (PubMed:8774883, PubMed:11443111, PubMed:18434541). Associates specifically with the activated, GTP-bound forms of GNAZ and GNAI3 (PubMed:8774883).

Post-translational Modifications: Isoform 3 is phosphorylated on Ser-16.

NCBI AND UNIPROT INFORMATION

NCBI GI #	52694755
NCBI GeneID	6001
NCBI Accession #	NP_001005339.1
NCBI GenBank Nucleotide #	NM_001005339.1
UniProt Accession #	O43665; Q6IAZ6; Q96GN0; A8K408; B1AMR8
Molecular Weight	Observed: 20 kD Predicted: 21 kDa
NCBI Official Full Name	regulator of G-protein signaling 10 isoform a
NCBI Official Synonym Full Names	regulator of G protein signaling 10
NCBI Official Symbol	RGS10
NCBI Protein Information	regulator of G-protein signaling 10
UniProt Protein Name	Regulator of G-protein signaling 10
UniProt Gene Name	RGS10
UniProt Synonym Gene Names	RGS10

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/rgs10-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/325065>