

Rabbit RGS12 Polyclonal Antibody | anti-RGS12 antibody

RGS12 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325066	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

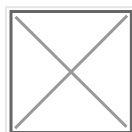
PRODUCT SYNONYMS

RGS12; Polyclonal Antibody; RGS12 Antibody; DKFZp761K1617; Regulator of G protein signalling 12; anti-RGS12 antibody

PRODUCT SPECIFICATIONS

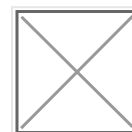
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RGS12 antibody detects endogenous levels of total RGS12
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1376
Applicable Applications for anti-RGS12 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nuclear
Tissue Specificity	Isoform 3 is brain specific.
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 3T3 cells, using RGS12 antibody.



IF (Immunofluorescence)

AAA325066 staining NIH-3T3 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.

ADDITIONAL INFORMATION

Related Product Information for anti-RGS12 antibody	Function: Regulates G protein-coupled receptor signaling cascades. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form. Subunit Structure: Interacts with GNAI1 (PubMed:18434541). Interacts with GNAI2 and GNAI3; the interactions are GDP-dependent (By similarity). Similarity: The GoLoco domain is necessary for interaction with GNAI1, GNAI2 and GNAI3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506509
NCBI GeneID	6002
NCBI Accession #	NP_002917.1
NCBI GenBank Nucleotide #	NM_002926.3
UniProt Accession #	O14924; O14922; O14923; O43510; O75338; Q147X0; Q8WX95; B1AQ30; B1AQ31; B1AQ32; B7Z764; E7EMN9
Molecular Weight	Observed: 156 kD Predicted: 157 kDa
NCBI Official Full Name	regulator of G-protein signaling 12 isoform 2
NCBI Official Synonym Full Names	regulator of G protein signaling 12
NCBI Official Symbol	RGS12
NCBI Protein Information	regulator of G-protein signaling 12
UniProt Protein Name	Regulator of G-protein signaling 12
UniProt Gene Name	RGS12
UniProt Synonym Gene Names	RGS12

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/rgs12-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325066>