

Anti-RGS16 antibody



Description Rabbit polyclonal to RGS16.

Model STJ95439

Host Rabbit

Reactivity Human, Mouse, Rat

Applications ELISA, IF, IHC

Immunogen Synthesized peptide derived from human RGS16 around the non-

phosphorylation site of Y168.

Immunogen Region 110-190 aa

Gene ID <u>6004</u>

Gene Symbol RGS16

Dilution range IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000

Specificity RGS16 Polyclonal Antibody detects endogenous levels of RGS16 protein.

Tissue Specificity Abundantly expressed in retina with lower levels of expression in most other

tissues.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name Regulator of G-protein signaling 16 RGS16 A28-RGS14P Retinal-specific

RGS RGS-r hRGS-r Retinally abundant regulator of G-protein signaling

Molecular Weight 30 kDa

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links HGNC:9997OMIM:602514

Alternative Names Regulator of G-protein signaling 16 RGS16 A28-RGS14P Retinal-specific

RGS RGS-r hRGS-r Retinally abundant regulator of G-protein signaling

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 . Plays an important role in the phototransduction cascade by regulating the lifetime and effective

concentration of activated transducin alpha. May regulate extra and

intracellular mitogenic signals.

Cellular Localization Membrane

Post-translational Palmitoylated on Cys-2 and/or Cys-12. Phosphorylated. Phosphorylation at

Modifications Tyr-168 by EGFR enhances GTPase accelerating (GAP) activity toward

GNAI1.

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