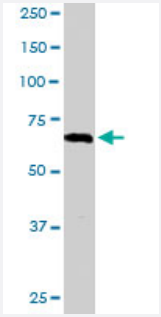
RGS14 polyclonal antibody

Catalog # PAB6630 Size 100 ug

Applications



Western Blot (Cell lysate)

RGS14 polyclonal antibody (Cat # PAB6630) staining (0.5 ug/mL) of Jurkat lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of RGS14.
Immunogen	A synthetic peptide corresponding to human RGS14.
Sequence	C-IGGSLNSTTDSAL
Host	Goat
Theoretical MW (kDa)	61.4
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:16000) Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — RGS14

Entrez GeneID	10636
Protein Accession#	NP_006471
Gene Name	RGS14
Gene Alias	-
Gene Description	regulator of G-protein signaling 14
Omim ID	602513
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the regulator of G-protein signaling family. This protein contains one RGS domain, two Raf-like Ras-binding domains (RBDs), and one GoLoco domain. The prot ein attenuates the signaling activity of G-proteins by binding, through its GoLoco domain, to specif ic types of activated, GTP-bound G alpha subunits. Acting as a GTPase activating protein (GAP), the protein increases the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, th ereby terminating the signal. Alternate transcriptional splice variants of this gene have been obser ved but have not been thoroughly characterized. [provided by RefSeq
Other Designations	regulator of G-protein signalling 14

Publication Reference

- Molecular cloning and expression analysis of rat Rgs12 and Rgs14.

  Snow BE, Antonio L, Suggs S, Gutstein HB, Siderovski DP.

  Biochemical and Biophysical Research Communications 1997 Apr; 233(3):770.

Disease

- Carcinoma
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Neoplasm Recurrence
- Neoplasms