

Datasheet for ABIN954531

anti-RGS14 antibody (Middle Region)



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1 Image

Overview

Quantity:	0.4 mL
Target:	RGS14
Binding Specificity:	AA 222-251, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS14 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 222-251 amino acids from the Central region of Human RGS14. Genename: RGS14
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human RGS14 (Center).
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	RGS14
Alternative Name:	RGS14 (RGS14 Products)
Background:	This gene encodes a member of the regulator of G-protein signaling family. This protein

Target Details

contains one RGS domain, two Raf-like Ras-binding domains (RBDs), and one GoLoco domain. The protein attenuates the signaling activity of G-proteins by binding, through its GoLoco domain, to specific 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, thereby terminating the signal. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. Synonyms: Regulator of G-protein signaling 14

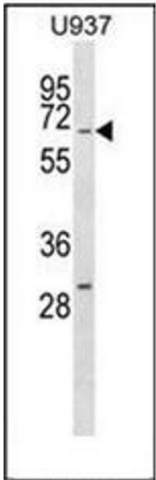
Molecular Weight:	61447 Da
Gene ID:	10636
NCBI Accession:	NP_006471
Pathways:	Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling , Platelet-derived growth Factor Receptor Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of RGS14 Antibody in U937 cell line lysates (35ug/lane). This demonstrates the RGS14 antibody detected the RGS14 protein (arrow).