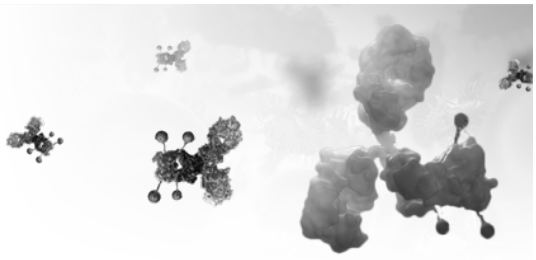

Human RGS14 blocking peptide (CDBP2519)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-RGS14 antibody
Antigen Description	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 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. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	RGS14 regulator of G-protein signaling 14 [Homo sapiens]
Official Symbol	RGS14

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Synonyms	RGS14; regulator of G-protein signaling 14; regulator of G protein signalling 14; regulator of G-protein signalling 14;
Entrez Gene ID	10636
mRNA Refseq	NM_006480
Protein Refseq	NP_006471
UniProt ID	O43566
Chromosome Location	5q35.3
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;
Function	GDP-dissociation inhibitor activity; GTPase activating protein binding; GTPase activator activity; GTPase activator activity; microtubule binding; protein kinase binding; receptor signaling complex scaffold activity; receptor signaling protein activity;

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