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Datasheet for ABIN652704 anti-RGS1 antibody (N-Term)

2 Images



Overview

Quantity:	400 µL
Target:	RGS1
Binding Specificity:	AA 19-45, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This RGS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 19-45 amino acids from the N-terminal region of human RGS1.
Clone:	RB22894
Isotype:	lgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	RGS1
Alternative Name:	RGS1 (RGS1 Products)
Background:	RGS1 is a member of the regulator of G-protein signalling family. This protein is located on the

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Target Details

	cytosolic side of the plasma membrane and contains a conserved, 120 amino acid motif called
	the RGS domain. The protein attenuates the signalling activity of G-proteins by binding to
	activated, GTP-bound G alpha subunits and acting as a GTPase activating protein (GAP),
	increasing 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.
Molecular Weight:	23858
CapalDi	EQQ

Gene ID:	5996
NCBI Accession:	NP_002913
UniProt:	Q08116
Pathways:	MAPK Signaling, Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein Signaling, CXCR4-mediated Signaling Events

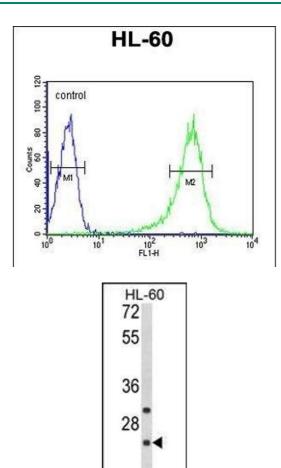
Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

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Flow Cytometry

Image 1. RGS1 Antibody (N-term) (ABIN652704 and ABIN2842468) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of RGS1 Antibody (N-term) (ABIN652704 and ABIN2842468) in HL-60 cell line lysates (35 µg/lane). RGS1 (arrow) was detected using the purified Pab.

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