

Recombinant Human ARHGAP4 cell lysate

Cat. No. ARHGAP4-113HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene encodes a member of the rhoGAP family of proteins which play a role in the regulation of small GTP-binding proteins belonging to the RAS superfamily. The protein encoded by the orthologous gene in rat is localized to the Golgi complex and can redistribute to microtubules. The rat protein stimulates the activity of some Rho GTPases in vitro. Genomic deletions of this gene and a neighboring gene have been found in patients with nephrogenic diabetes insipidus. Multiple transcript variants encoding different isoforms have been found for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	ARHGAP4 Rho GTPase activating protein 4 [Homo sapiens]
Official Symbol	ARHGAP4
Synonyms	ARHGAP4; Rho GTPase activating protein 4; rho GTPase-activating protein 4; C1;

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	KIAA0131; p115; Rho GAP hematopoietic protein C1; RhoGAP4; SrGAP4; Rho-GAP hematopoietic protein C1; rho-type GTPase-activating protein 4; RGC1;
Gene ID	393
mRNA Refseq	NM_001164741
Protein Refseq	NP_001158213
MIM	300023
UniProt ID	P98171
Chromosome Location	Xq28
Pathway	Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; NRAGE signals death through JNK, organism-specific biosystem; Regulation of RhoA activity, organism-specific biosystem; Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem;
Function	GTPase activator activity; Rho GTPase activator activity; SH3/SH2 adaptor activity; protein binding;