



Anti-ARHGEF4 (aa 1-100) polyclonal antibody (DPAB-DC2085)

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

PRODUCT INFORMATION

Antigen Description	Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The protein encoded by this gene may form complex with G proteins and stimulate Rho-dependent signals. Multiple alternatively spliced transcript variants encoding different isoforms have been found, but the full-length nature of some variants has not been determined.
Immunogen	ARHGEF4 (NP_056135, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is MPWEEPAGEKPCSCHSQKAFHMEPAQKPCFTTDMVTWALLCISAETVRGEAPSQPRGIPH RSPVSVDDLWLEKTQRKKLQKQAHVERRLHIGAVHKDGVK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ARHGEF4 Rho guanine nucleotide exchange factor (GEF) 4 [Homo sapiens (human)]
Official Symbol	ARHGEF4
Synonyms	ARHGEF4; Rho guanine nucleotide exchange factor (GEF) 4; ASEF; GEF4; STM6; ASEF1; rho guanine nucleotide exchange factor 4; APC-stimulated guanine nucleotide exchange factor 1;
Entrez Gene ID	50649
Protein Refseq	NP_056135
UniProt ID	Q9NR80
Chromosome Location	2q22
Pathway	Cell death signalling via NRAGE, NRIF and NADE; GPCR downstream signaling; Regulation of Actin Cytoskeleton; Rho GTPase cycle
Function	Rac guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity; protein binding; protein domain specific binding