



# 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

<b>Antigen Description</b>	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.
<b>Immunogen</b>	ARHGEF4 (NP_056135, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is  MPWEEPAGEKPSCSHSQKAFHMEPAQKPCFTDMVTWALLCISAETVRGEAPSQPRGIPH RSPVSVDLWLEKTQRKKLQKQAHVERRLHIGAVHKDGVK
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

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<b>Gene Name</b>	<a href="#">ARHGEF4 Rho guanine nucleotide exchange factor (GEF) 4 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ARHGEF4
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">50649</a>
<b>Protein Refseq</b>	<a href="#">NP_056135</a>
<b>UniProt ID</b>	<a href="#">Q9NR80</a>
<b>Chromosome Location</b>	2q22
<b>Pathway</b>	Cell death signalling via NRAGE, NRIF and NADE; GPCR downstream signaling; Regulation of Actin Cytoskeleton; Rho GTPase cycle
<b>Function</b>	Rac guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity; protein binding; protein domain specific binding

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