



# Anti-ARHGEF2 (aa 2-447) polyclonal antibody (DPAB-DC733)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	ARHGEF2 (Rho/Rac guanine nucleotide exchange factor (GEF) 2) is a protein-coding gene. Diseases associated with ARHGEF2 include paralysis, and motor neuron disease, and among its related super-pathways are Development Slit-Robo signaling and NRAGE signals death through JNK. GO annotations related to this gene include microtubule binding and phospholipid binding. An important paralog of this gene is ARHGEF12.
<b>Immunogen</b>	Recombinant GST fusion protein corresponding to amino acids 2-447 of Arhgef2.
<b>Source/Host</b>	Sheep
<b>Species Reactivity</b>	Mouse
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Transfected lysate),
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	In PBS (0.08% sodium azide)
<b>Preservative</b>	0.08% Sodium Azide
<b>Storage</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name** [Arhgef2 rho/rac guanine nucleotide exchange factor \(GEF\) 2 \[ Mus musculus \(house mouse\) \]](#)

<b>Official Symbol</b>	ARHGEF2
<b>Synonyms</b>	ARHGEF2; rho/rac guanine nucleotide exchange factor (GEF) 2; GEF; Lfc; P40; GEFH1; LFP40; Lbcl1; GEF-H1; AA408978; mKIAA0651; rho guanine nucleotide exchange factor 2; rhobin; oncogene LFC; LBCS first cousin; lymphoid blast crisis-like 1; guanine nucleotide exchange factor H1;
<b>Entrez Gene ID</b>	<a href="#">16800</a>
<b>Protein Refseq</b>	<a href="#">NP_001185840</a>
<b>UniProt ID</b>	<a href="#">H3BJ45</a>
<b>Chromosome Location</b>	3 F1; 3
<b>Pathway</b>	Cell death signalling via NRAGE, NRIF and NADE; GPCR downstream signaling; Rho GTPase cycle; Signaling by GPCR
<b>Function</b>	Rac GTPase binding; Rac guanyl-nucleotide exchange factor activity; Rho GTPase binding; Rho guanyl-nucleotide exchange factor activity