



## Rabbit Anti-ARHGEF11 antibody

SL10157R

<b>Product Name:</b>	ARHGEF11
<b>Chinese Name:</b>	Rho鸟甘酸Transporter抗体
<b>Alias:</b>	PDZ-RhoGEF; PDZ RHOGEF; ARHGB_HUMAN; ARHGEF 11; ARHGEF11; DKFZp667F1223; Glutamate transporter EAAT4 associated protein 48; GTRAP 48; GTRAP48; PDZ RhoGEF; Rho guanine exchange factor (GEF) 11; Rho guanine nucleotide exchange factor (GEF) 11; Rho guanine nucleotide exchange factor 11; RhoA specific guanine nucleotide exchange factor; RhoGEF glutamate transport modulator.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	168kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ARHGEF11:451-550/1522
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</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 encoded

protein may form a complex with G proteins and stimulate Rho-dependent signals. A similar protein in rat interacts with glutamate transporter EAAT4 and modulates its glutamate transport activity. Expression of the rat protein induces the reorganization of the actin cytoskeleton and its overexpression induces the formation of membrane ruffling and filopodia. Two alternative transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008].

**Function:**

May play a role in the regulation of RhoA GTPase by guanine nucleotide-binding alpha-12 (GNA12) and alpha-13 (GNA13). Acts as guanine nucleotide exchange factor (GEF) for RhoA GTPase and may act as GTPase-activating protein (GAP) for GNA12 and GNA13.

**Subunit:**

Interacts with GNA12 and GNA13 through the RGS domain. Interacts with RHOA, PLXNB1 and PLXNB2. Interacts with SLC1A6 (By similarity).

**Subcellular Location:**

Cytoplasm. Membrane. Note=Translocated to the membrane upon stimulation.

**Tissue Specificity:**

Ubiquitously expressed.

**Similarity:**

Contains 1 DH (DBL-homology) domain.

Contains 1 PDZ (DHR) domain.

Contains 1 PH domain.

Contains 1 RGSL (RGS-like) domain.

**SWISS:**

O15085

**Gene ID:**

9826

**Database links:**

[Entrez Gene: 9826](#)Human

[Entrez Gene: 213498](#)Mouse

[Entrez Gene: 78966](#)Rat

[Omim: 605708](#)Human

[SwissProt: O15085](#)Human

[SwissProt: Q9ES67](#)Rat

[Unigene: 516954](#)Human

[Unigene: 160580](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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