



# LARG Polyclonal Antibody

<b>Catalog No</b>	BYab-16180
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC
<b>Gene Name</b>	ARHGEF12
<b>Protein Name</b>	Rho guanine nucleotide exchange factor 12
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ARHGEF12. AA range:449-498
<b>Specificity</b>	LARG Polyclonal Antibody detects endogenous levels of LARG protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000;IHC-p 1:50-300
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ARHGEF12; KIAA0382; LARG; Rho guanine nucleotide exchange factor 12; Leukemia-associated RhoGEF
<b>Observed Band</b>	173kD
<b>Cell Pathway</b>	Cytoplasm . Membrane . Translocated to the membrane upon stimulation. .
<b>Tissue Specificity</b>	Ubiquitously expressed. Isoform 2 is found in jejunum and testis.
<b>Function</b>	disease:A chromosomal aberration involving ARHGEF12 may be a cause of acute leukemia. Translocation t(11;11)(q23;23) with MLL.,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.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Contains 1 DH (DBL-homology) domain.,similarity:Contains 1 PDZ (DHR) domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 RGS (RGS-like) domain.,subcellular location:Translocated to the membrane

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upon stimulation.,subunit:Interacts with GNA12 and GNA13, probably through the RGS-like domain. Interacts with RHOA, PLXNB1 and PLXNB2. Interacts through its PDZ domain

#### Background

Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli working through G protein-coupled receptors. The encoded protein may form a complex with G proteins and stimulate Rho-dependent signals. This protein has been observed to form a myeloid/lymphoid fusion partner in acute myeloid leukemia. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014],

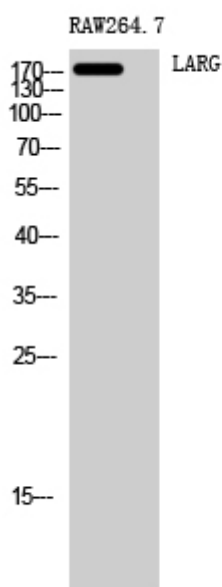
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### Products Images



Western Blot analysis of RAW264.7 cells using LARG Polyclonal Antibody

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网址: [www.njbybio.com](http://www.njbybio.com)

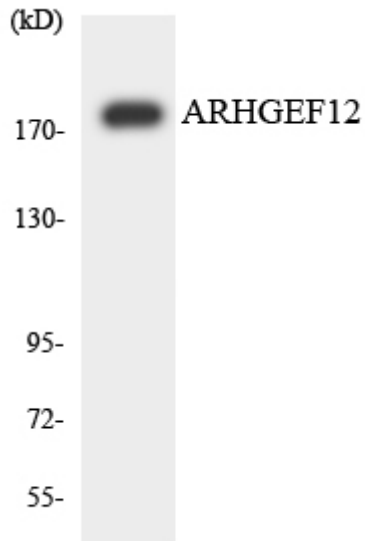
官方热线: 025-5229-8998

监督电话: 15950492658

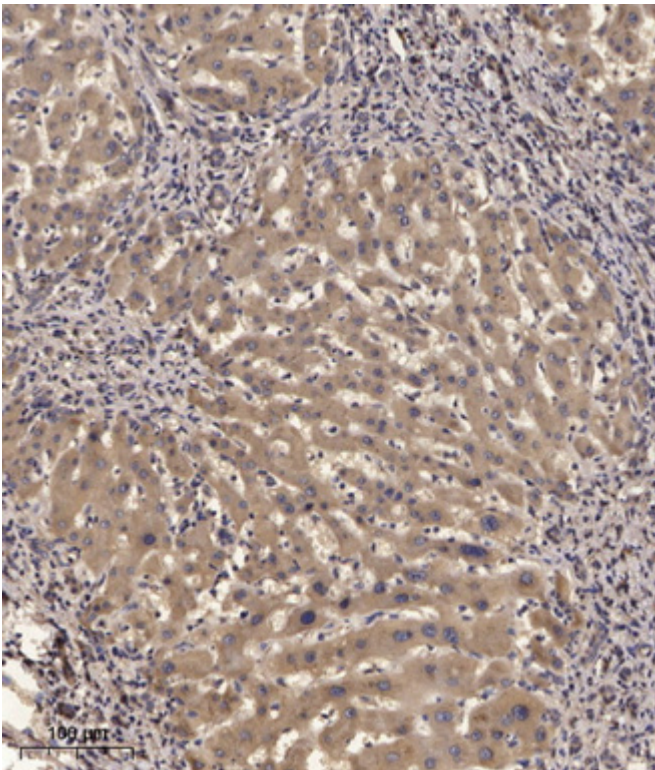


Western blot analysis of lysates from RAW264.7 cells, using ARHGEF12 Antibody. The lane on the right is blocked with the synthesized peptide.

# ARHGC--



Western blot analysis of the lysates from HUVEC cells using ARHGEF12 antibody.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200 (4° overnight). 2, Tris-EDTA, pH 9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 45 min).