

Rabbit ARHGEF1 Polyclonal Antibody | anti-ARHGEF1 antibody

Anti-ARHGEF1 Antibody

CATALOG # AAA46825	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ARHGEF1; Polyclonal Antibody; Anti-ARHGEF1 Antibody; ARHGEF 1; GEF 1; GEF1; LBCL 2; LBCL2; LSC; p115 RhoGEF; p115-RhoGEF; p115RhoGEF; Q92888; Rho guanine nucleotide exchange factor 1; anti-ARHGEF1 antibody

PRODUCT SPECIFICATIONS

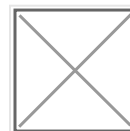
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	912
Applicable Applications for anti-ARHGEF1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human ARHGEF1 (41-71aa EQNSQFQSLEQVKRRPAHLMALLQHVALQFE), different from the related mouse and rat sequences by one amino acid.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

ARHGEF1 was detected in paraffin-embedded sections of rat lymphaden tissues using rabbit anti- ARHGEF1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)

ARHGEF1 was detected in paraffin-embedded sections of mouse lymphaden tissues using rabbit anti- ARHGEF1 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of ARHGEF1 expression in rat brain extract (lane 1), HELA whole cell lysates (lane 2) and JURKAT whole cell lysates (lane 3). ARHGEF1 at 120KD was detected using rabbit anti- ARHGEF1 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-ARHGEF1 antibody	Rabbit IgG polyclonal antibody for Rho guanine nucleotide exchange factor 1(ARHGEF1) detection. Background: Rho guanine nucleotide exchange factor 1 is a protein that in humans is encoded by the ARHGEF1 gene. 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. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of some variants has not been defined.
References	1. Aasheim HC, Pedeutour F, Smeland EB (May 1997). "Characterization, expression and chromosomal localization of a human gene homologous to the mouse Lsc oncogene, with strongest expression in hematopoietic tissues". Oncogene 14 (14): 1747-52. 2. Hart MJ, Sharma S, elMasry N, Qiu RG, McCabe P, Polakis P, Bollag G (Nov 1996). "Identification of a novel guanine nucleotide exchange factor for the Rho GTPase". J Biol Chem 271 (41): 25452-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15011972
NCBI GeneID	9138
NCBI Accession #	NP_004697.2
NCBI GenBank Nucleotide #	NM_004706.3
UniProt Accession #	Q92888; O00513; Q6NX52; Q8N4J4; Q96BF4; Q96F17; Q9BSB1
Molecular Weight	105,854 Da
NCBI Official Full Name	rho guanine nucleotide exchange factor 1 isoform 2
NCBI Official Synonym Full Names	Rho guanine nucleotide exchange factor 1
NCBI Official Symbol	ARHGEF1
NCBI Official Synonym Symbols	LSC; GEF1; LBCL2; SUB1.5; P115-RHOGEF
NCBI Protein Information	rho guanine nucleotide exchange factor 1
UniProt Protein Name	Rho guanine nucleotide exchange factor 1
UniProt Gene Name	ARHGEF1
UniProt Synonym Gene Names	p115-RhoGEF; p115RhoGEF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.