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anti-ARHGEF1 antibody (N-Term)

Images



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Quantity:	100 μg	
Target:	ARHGEF1	
Binding Specificity:	AA 41-71, N-Term	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Purpose:	Rabbit IgG polyclonal antibody for Rho guanine nucleotide exchange factor 1(ARHGEF1) detection. Tested with WB, IHC-P in Human, Mouse, Rat.	
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.	
Sequence:	EQNSQFQSLE QVKRRPAHLM ALLQHVALQF E	
Isotype:	IgG	
Cross-Reactivity (Details):	No cross reactivity with other proteins.	
Characteristics:	Rabbit IgG polyclonal antibody for Rho guanine nucleotide exchange factor 1(ARHGEF1) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Gene Name: Rho guanine nucleotide exchange factor 1 Protein Name: Rho guanine nucleotide exchange factor 1	

Product Details Purification: Immunogen affinity purified. **Target Details** Target: ARHGEF1 Alternative Name ARHGEF1 (ARHGEF1 Products) 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. Synonyms: ARHGEF 1 | ARHGEF1 | GEF 1 | GEF1 | LBCL 2 | LBCL2 | LSC | p115 RhoGEF | p115-RhoGEF | p115RhoGEF | Q92888 Gene ID: 9138 UniProt: Q92888 Neurotrophin Signaling Pathway, Regulation of G-Protein Coupled Receptor Protein Signaling, Pathways: Thromboxane A2 Receptor Signaling **Application Details** WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat Application Notes: IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat, Predicted Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users. Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

ABIN921231 in IHC(P).

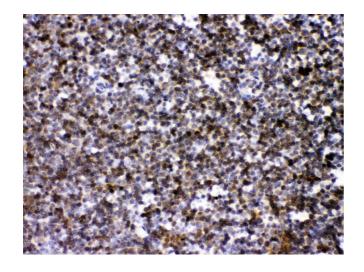
For Research Use only

Restrictions:

Handling

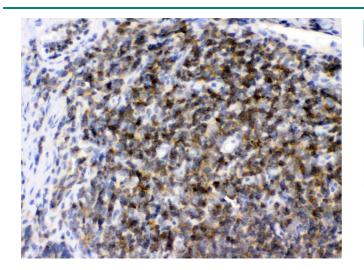
Format:	Lyophilized	
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu g/mL$.	
Concentration:	500 μg/mL	
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.	

Images



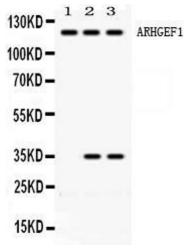
Immunohistochemistry

Image 1. ARHGEF1 was detected in paraffin-embedded sections of mouse lymphaden tissues using rabbit anti-ARHGEF1 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 ??g/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 2. ARHGEF1 was detected in paraffin-embedded sections of rat lymphaden tissues using rabbit anti-ARHGEF1 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 μ g/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Western Blotting

Image 3. 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 (Catalog #) at 0.5 μg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).