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Datasheet for ABIN6147066
anti-ROCK1 antibody (AA 400-660)

4 Images

Overview

Quantity:	100 µL
Target:	ROCK1
Binding Specificity:	AA 400-660
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ROCK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 400-660 of human ROCK1 (NP_005397.1).
Sequence:	YSNRRYLSSA NPNDNRTSSN ADKSLQESLQ KTIYKLEEQL HNEMQLKDEM EQKCRSTNIK LDKIMKELDE EGNQRRNLES TVSQIEKEKM LLQHRINEYQ RKAEQENEKR RNVENEVSTL KDQLEDLKKV SQNSQLANEK LSQ LQKQLEE ANDLLRTE SD TAVRLRKSHT EMSKSISQLE SLNRELQERN RILENSKSQT DKDYYQLQAI LEAERRDRGH DSEMIGDLQA RITSLQEEVK HLKHNLEKVE GERKEAQDML N
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	ROCK1
Alternative Name:	ROCK1 (ROCK1 Products)
Background:	<p>This gene encodes a protein serine/threonine kinase that is activated when bound to the GTP-bound form of Rho. The small GTPase Rho regulates formation of focal adhesions and stress fibers of fibroblasts, as well as adhesion and aggregation of platelets and lymphocytes by shuttling between the inactive GDP-bound form and the active GTP-bound form. Rho is also essential in cytokinesis and plays a role in transcriptional activation by serum response factor. This protein, a downstream effector of Rho, phosphorylates and activates LIM kinase, which in turn, phosphorylates cofilin, inhibiting its actin-depolymerizing activity. A pseudogene, related to this gene, is also located on chromosome 18.,ROCK1,P160ROCK,ROCK-I,Cancer,Signal Transduction,G protein signaling,Kinase,Serine/threonine kinases,Cell Biology & Developmental Biology,Apoptosis,Cell Cycle,Centrosome,Cell Adhesion,Cytoskeleton,Microfilaments,Microtubules,Actins,Death Receptor Signaling Pathway,TGF-b-Smad Signaling Pathway,ROCK1</p>
Molecular Weight:	158 kDa
Gene ID:	6093
UniProt:	Q13464
Pathways:	Microtubule Dynamics , WNT Signaling , M Phase , Maintenance of Protein Location , Signaling Events mediated by VEGFR1 and VEGFR2 , Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100,IP,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

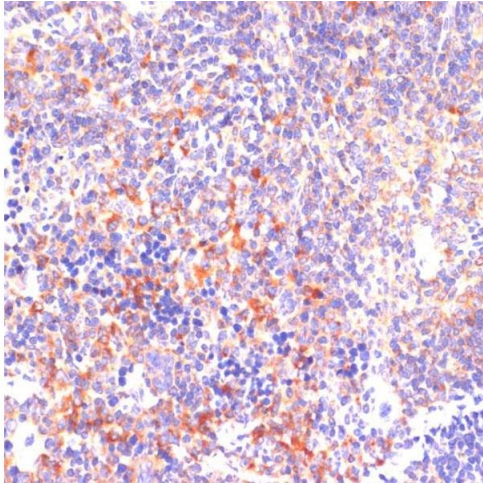
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

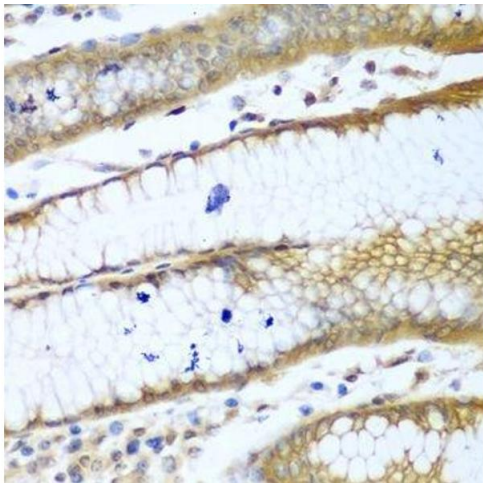
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



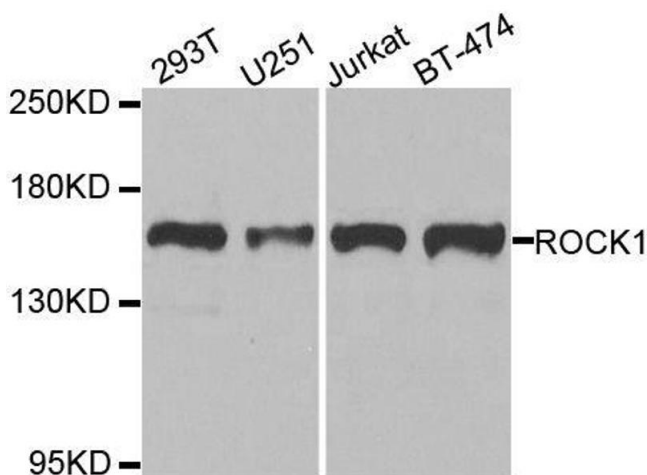
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse spleen using ROCK1 antibody (ABIN6129454, ABIN6147066, ABIN6147067 and ABIN7101352) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded human stomach using ROCK1 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using ROCK1 antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6147066.