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Datasheet for ABIN6989875 **anti-ROCK1 antibody**

Overview

Quantity:	100 µL
Target:	ROCK1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ROCK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 400-660 of human ROCK1 (NP_005397.1).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	ROCK1
Alternative Name:	ROCK1 (ROCK1 Products)
Background:	Synonyms: ROCK1,P160ROCK,ROCK-I Background: This gene encodes a protein serine/threonine kinase that is activated when bound

Target Details

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.

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 1:300-5000 IHC-P 1:200-400 IP(1-2 µg) IHC()
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months