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anti-ROCK1 antibody





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UV	-1 V	IUVV

Quantity:	100 μL
Target:	ROCK1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ROCK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:

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Isotype:	IgG
Characteristics:	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.
Purification:	Affinity purification

Recombinant protein of human ROCK1.

Target Details

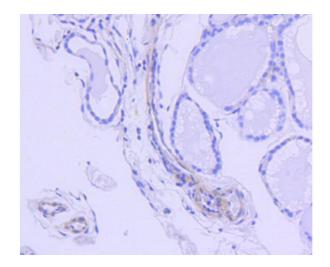
Target:	ROCK1
Alternative Name:	ROCK1 (ROCK1 Products)
Gene ID:	6093
UniProt:	Q13464
Pathways:	Microtubule Dynamics, WNT Signaling, M Phase, Maintenance of Protein Location, Signaling Events mediated by VEGFR1 and VEGFR2, Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	WB 1:500-1:2000 , IHC 1:50-1:200 , ICC 1:50-1:200 , IF 1:50-1:100 , IP 1:20-1:50 , FC 1:20-1:50
Restrictions:	For Research Use only

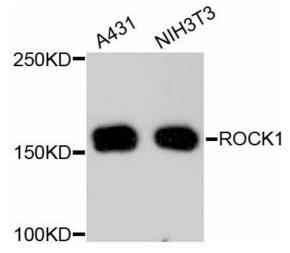
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.4
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 freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	Store at -20°C.



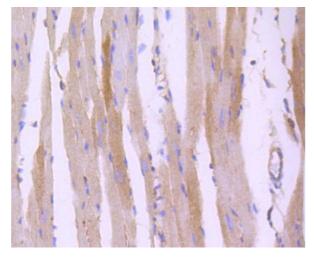
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human thyroid using ROCK1 antibody (ABIN4905028) at dilution of 1:100 (40x lens).



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using ROCK1 antibody (ABIN4905028). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded mouse heart using ROCK1 antibody (ABIN4905028) at dilution of 1:100 (40x lens).

Please check the product details page for more images. Overall 4 images are available for ABIN4905028.