

Anti-ROCK1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P011432

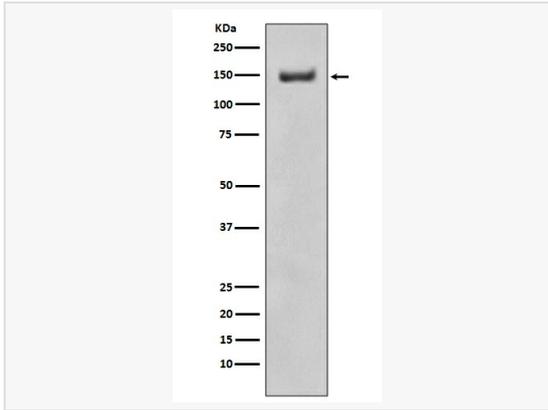
Product Information

Application	WB, IHC-P/IF (Tissue-P), ICC/IF (Cell), IP, FC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200; IP 1:20; FC 1:50~1:100
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human ROCK1
Format	Buffer System: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Purification: Affinity Chromatography
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ROCK1 antibody is for research use only and not for use in diagnostic or therapeutic procedures.

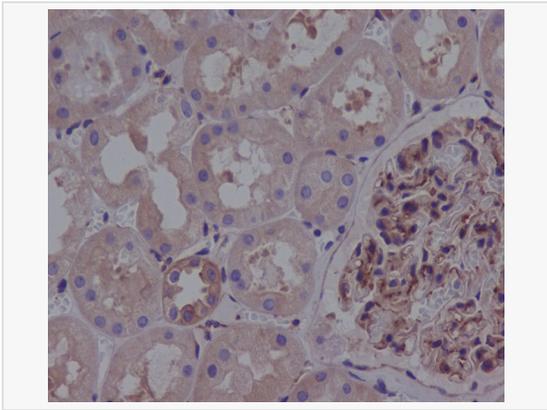
Protein Information

Synonyms	ROCK1, Rho-associated protein kinase 1, Renal carcinoma antigen NY-REN-35, Rho-associated, coiled-coil-containing protein kinase 1, Rho-associated, coiled-coil-containing protein kinase I, ROCK-I, p160 ROCK-1, p160ROCK.
Calculated MW	Calculated MW: 158 kDa; Observed MW: 158 kDa
Uniprot ID	Q13464
Gene ID	6093
Background	ROCK1 Protein kinase which is a key regulator of actin cytoskeleton and cell polarity. Involved in regulation of smooth muscle contraction, actin cytoskeleton organization, stress fiber and focal adhesion formation, neurite retraction, cell adhesion and motility via phosphorylation of DAPK3, GFAP, LIMK1, LIMK2, MYL9/MLC2, PFN1 and PPP1R12A. Phosphorylates FHOD1 and acts synergistically with it to promote SRC-dependent non-apoptotic plasma membrane blebbing.

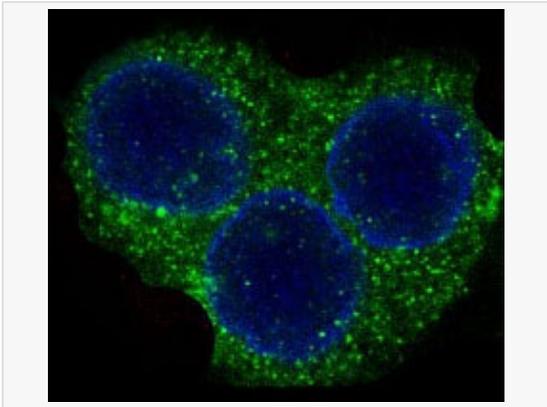
Validation Images



Western blot analysis of ROCK1 in Ramos lysates using ROCK1 antibody.



Immunohistochemistry analysis of paraffin-embedded Human kidney using ROCK1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunofluorescence analysis of ROCK1 in HeLa using ROCK1 antibody.