

## Anti-ROCK1 Rabbit mAb

Purified Rabbit Monoclonal Antibody

Catalog # R011655

### Product Information

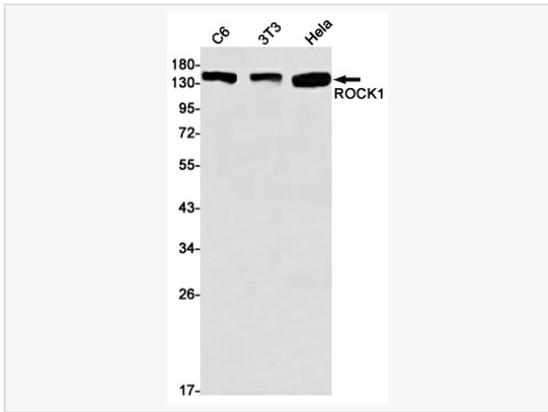
Application	WB, IP, ELISA
Reactivity	Rat, Human, Mouse
Dilution	WB 1:500~1:1,000; IP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	26M59L53
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human ROCK1
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
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 [26M59L53] 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-I, 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

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Western blot analysis of ROCK1 in C6, 3T3, HeLa lysates using ROCK1 antibody.