

Recombinant

DGRmAb®

**ROCK1 (DGR12762) Rabbit mAb**

db11120

Package : 10µL 20µL 50µL 100µL

**Product Name** : ROCK1 (DGR12762) Rabbit mAb**Cat.No.:** db11120**Synonyms** : ROCK-I; P160ROCK**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

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. [provided by RefSeq, Aug 2015]

**Immunogen**

A synthetic peptide of human ROCK1

**Gene ID**

6093

**Swiss Prot**

Q13464

**Synonyms**

ROCK-I; P160ROCK

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P, ICC/IF, FC, IP

**Recommended dilution**

WB: 1:1000-1:5000

IHC-P: 1:50-1:200

ICC/IF: 1:50-1:500

FC: 1:200-1:1000

IP: 1:50

**Calculated MW**

158 kDa

**Observed MW**

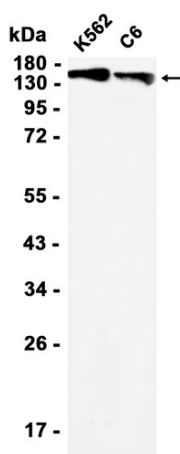
158 kDa

**Host species**

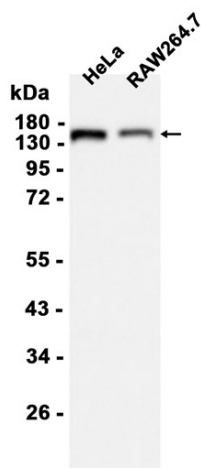
Rabbit

---

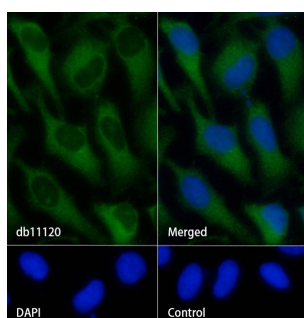
<b>Clonality</b>	Monoclonal
<b>Clonality No.</b>	DGR12762
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from K562, C6 cells using db11120 at 1:1000.



Western blot analysis of extracts from RAW264.7 cells using db11120 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling ROCK1 with db11120.

The cells were fixed with cold 100% methanol (10min, 4°C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11120 (1:50) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.