

Recombinant

DGRmAb®

**ROCK1 (DGR15339) Rabbit mAb (PBS Only)**

db13063-PBS

Package : 10µg 100µg

**Product Name** : ROCK1 (DGR15339) Rabbit mAb (PBS Only)**Cat.No.:** db13063-PBS**Synonyms** : ROCK-I; P160ROCK**Application** : WB, IHC-P, 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, FC, IP

**Calculated MW**

158 kDa

**Observed MW**

158 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR15339

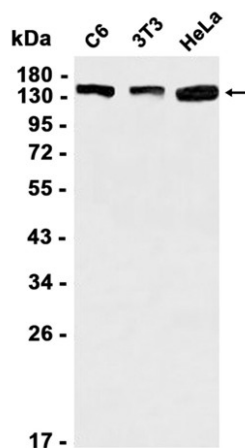
**Isotype**

IgG

**Purity**

Affinity Purification

<b>Conjugation</b>	Un-conjugated
<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from C6, 3T3, HeLa cells using [db13063](#) at 1:1000.