# ROCK1 Rabbit pAb

**db4228** **Package : 20μL 50μL 100μL**

**Product Name :** ROCK1 Rabbit pAb
**Cat.No.:** db4228
**Synonyms :** ROCK-I; P160ROCK
**Application :** WB, IHC, ICC/IF, IP
**Reactivity :** Human, Mouse, Rat
**Host species :** Rabbit

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| **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, ICC/IF, IP |
| **Recommended dilution** | WB: 1:1000<br>IHC: 1:20<br>ICC/IF: 1:20<br>IP: 1:20 |
| **Calculated MW** | 158 kDa |
| **Observed MW** | 158 kDa |
| **Host species** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |

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| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Storage Stability** | 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. |