

## Recombinant ROCK1 Monoclonal Antibody

catalog number: AN301001L

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

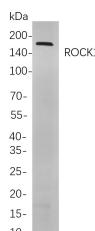
|              |   |
|--------------|---|
| Reactivity   | Human;Mouse;Rat   |
| Immunogen    | Recombinant Human ROCK1 protein                                 |
| Host         | Rabbit  |
| Isotype      | IgG,κ   |
| Clone        | B752  |
| Purification | Protein A   |
| Buffer       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

### Applications

### Recommended Dilution

|       |                |
|-------|----------------|
| IHC   | 1:200-1:1000   |
| WB    | 1:1000-1:5000  |
| IF    | 1:200-1:1000   |
| ELISA | 1:5000-1:20000 |
| IP    | 1:50-1:200,    |

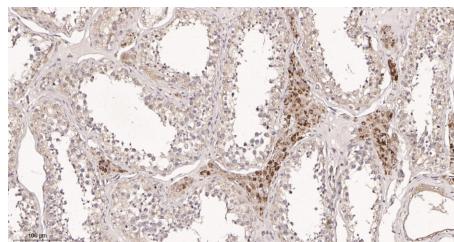
### Data



Western Blot with Recombinant ROCK1 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: C6 cells.

Observed-MW:158 kDa

Calculated-MW:158 kDa



Immunohistochemistry of paraffin-embedded human testis tissue using Recombinant ROCK1 Monoclonal Antibody at dilution of 1:200.

### Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

### 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.

### For Research Use Only

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Rev. V1.2