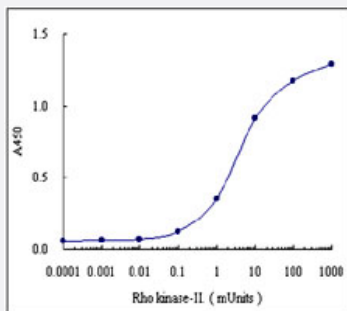


# Rho-kinase (Human) Assay Kit

Catalog # KA0062      Size 1 Kit

## Applications



Dose dependent curve of rho kinase-II catalytic domain enzyme reaction.

## Specification

### Product Description

Rho-kinase (Human) Assay Kit is a single-site, non-quantitative immunoassay for Rho-kinase activity. Plates are pre-coated with a substrate corresponding to recombinant the C terminus of MBS (Myosin-Binding Subunit of myosin phosphatase), which contains a threonine residue that may be phosphorylated by DMPK family members, including Rho-kinase (ROCK1 and ROCK2), MRCK (Myotonic Dystrophy kinase-related Cdc42-binding Kinase) and DMPK (Myotonic Dystrophy Protein Kinase). The detector antibody is AF20, an antibody that specifically detects only the phosphorylated form of threonine-696 on MBS.

### Assay Type

Quantitative

### Reactivity

Human

### Regulation Status

For research use only (RUO)

### Quality Control Testing

Dose dependent curve  
Dose dependent curve of rho kinase-II catalytic domain enzyme reaction.

### Storage Instruction

Store the kit at 4°C.

## Applications

- Functional Study

## Publication Reference

- [Thrombin-induced endothelial microparticle generation: identification of a novel pathway involving ROCK-II activation by caspase-2.](#)

Sapet C, Simoncini S, Lloriod B, Puthier D, Sampol J, Nguyen C, Dignat-George F, Anfosso F.

Blood 2006 Sep; 108(6):1868.

Application: Func, Human, HMEC-1 cells

- [Inhibition of Rho-kinase affects astrocytoma morphology, motility, and invasion through activation of Rac1.](#)

Salhia B, Rutten F, Nakada M, Beaudry C, Berens M, Kwan A, Rutka JT.

Cancer Research 2005 Oct; 65(19):8792.

Application: Func, Human, U251, U87 cells

- [Simvastatin attenuates expression of cytokine-inducible nitric-oxide synthase in embryonic cardiac myoblasts.](#)

Madonna R, Di Napoli P, Massaro M, Grilli A, Felaco M, De Caterina A, Tang D, De Caterina R, Geng YJ.

The Journal of Biological Chemistry 2005 Apr; 280(14):13503.

Application: Func, Rat, H9c2 cardiac myoblasts

- [Impact of engagement of FcepsilonRI and CC chemokine receptor 1 on mast cell activation and motility.](#)

Toda M, Dawson M, Nakamura T, Munro PM, Richardson RM, Bailly M, Ono SJ.

The Journal of Biological Chemistry 2004 Nov; 279(46):48443.

Application: Func, Rat, RBL-CCR1 cells

- [The Sprouty-related protein, Spred, inhibits cell motility, metastasis, and Rho-mediated actin reorganization.](#)

Miyoshi K, Wakioka T, Nishinakamura H, Kamio M, Yang L, Inoue M, Hasegawa M, Yonemitsu Y, Komiya S, Yoshimura A.

Oncogene 2004 Jul; 23(33):5567.

Application: Func, Human, HEK 293 cells