10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ROCK2 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant ROCK2.
Catalog # AT3688a

Specification

ROCK2 Antibody (monoclonal) (M02) - Product Information

Application	**IF, WB, IHC, E**
Primary Accession	O75116
Other Accession	NM_004850
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**160900**

ROCK2 Antibody (monoclonal) (M02) - Additional Information

Gene ID 9475

Other Names
Rho-associated protein kinase 2, Rho kinase 2, Rho-associated, coiled-coil-containing protein kinase 2, Rho-associated, coiled-coil-containing protein kinase II, ROCK-II, p164 ROCK-2, ROCK2, KIAA0619

Target/Specificity
ROCK2 (NP_004841, 1279 a.a. ~ 1388 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
ROCK2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

ROCK2 Antibody (monoclonal) (M02) - Protocols

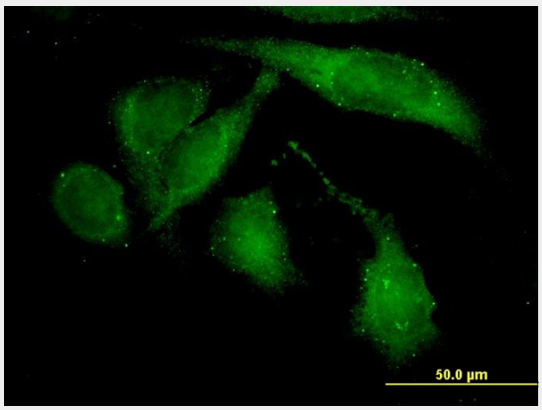
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

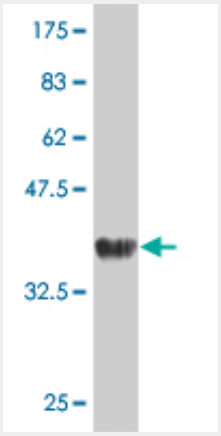
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- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

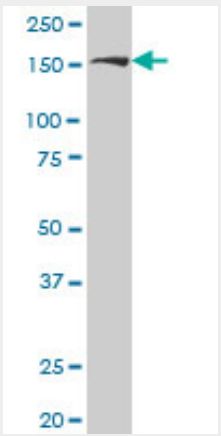
ROCK2 Antibody (monoclonal) (M02) - Images



Immunofluorescence of monoclonal antibody to ROCK2 on HeLa cell. [antibody concentration 30 ug/ml]

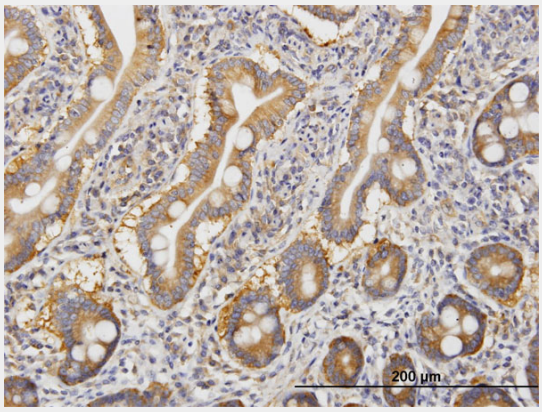


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .

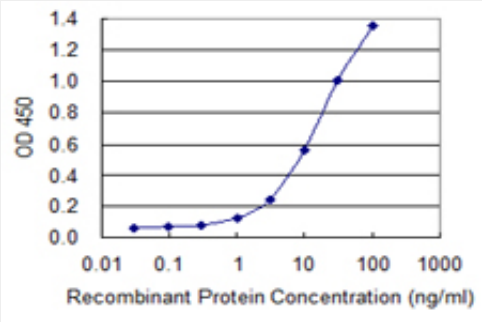


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ROCK2 monoclonal antibody (M02), clone 1E12 Western Blot analysis of ROCK2 expression in Hela S3 NE ((Cat # AT3688a)



Immunoperoxidase of monoclonal antibody to ROCK2 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 1.5 ug/ml]



Detection limit for recombinant GST tagged ROCK2 is 0.3 ng/ml as a capture antibody.

ROCK2 Antibody (monoclonal) (M02) - Background

The protein encoded by this gene is a serine/threonine kinase that regulates cytokinesis, smooth muscle contraction, the formation of actin stress fibers and focal adhesions, and the activation of the c-fos serum response element. This protein, which is an isozyme of ROCK1 is a target for the small GTPase Rho.

ROCK2 Antibody (monoclonal) (M02) - References

1.Vascular hyperpermeability in response to inflammatory mustard oil is mediated by Rho kinase in mice systemically exposed to arsenic.Chen SC, Liu CC, Huang SY, Chiou SJ.Microvasc Res. 2011 Jun 16. [Epub ahead of print]