

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.

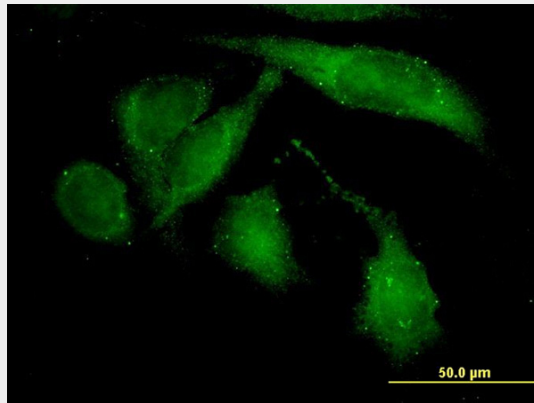
ROCK2 Antibody (monoclonal) (M02) - Protocols

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

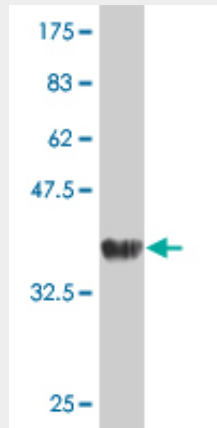
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

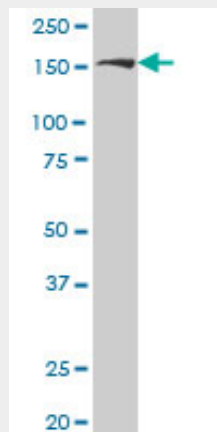
ROCK2 Antibody (monoclonal) (M02) - Images



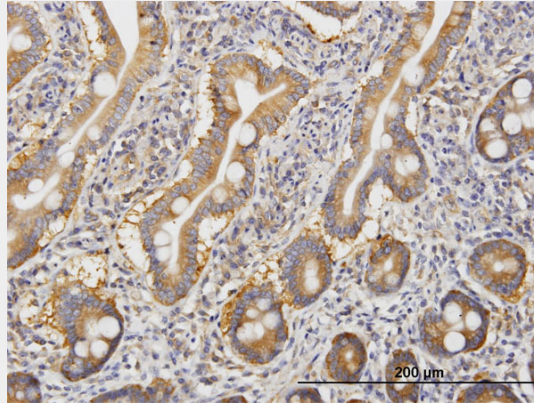
Immunofluorescence of monoclonal antibody to ROCK2 on HeLa cell. [antibody concentration 30 ug/ml]



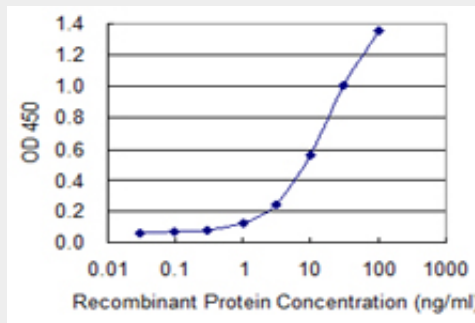
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .



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]