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

Product Information

Application	WB, IHC, IF, E
Primary Accession	O75116
Other Accession	NM_004850
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1.0E+12
Calculated MW	160900

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 IHC~~1:100~500 IF~~1:50~200 E~~N/A
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.

Background

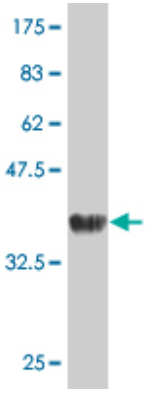
The protein encoded by this gene is a serine/threonine kinase that regulates cytokinesis, smooth muscle contraction, the formation of actin stress fibers and focal adhesions, and the activation of the c-fos serum response element. This protein, which is an isozyme of ROCK1 is a target for the small GTPase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

References

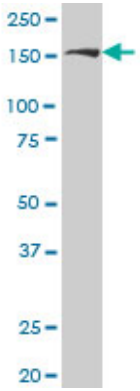
1.Vascular hyperpermeability in response to inflammatory mustard oil is mediated by Rho kinase in mice systemically exposed to arsenic.Chen SC, Liu CC, Huang SY, Chiou SJ.Microvasc Res. 2011 Jun 16. [Epub

ahead of print]

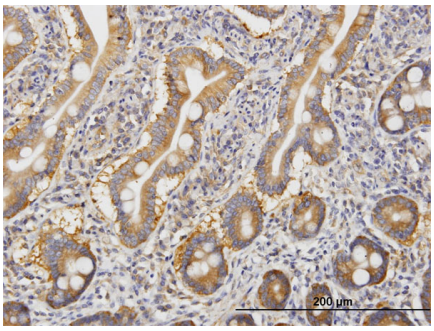
Images



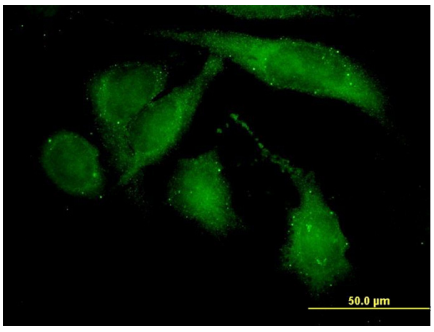
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



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

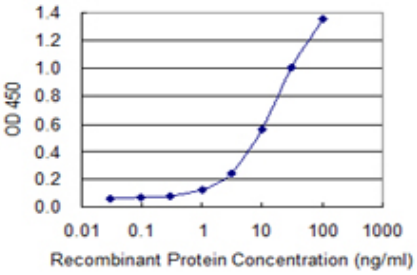


Immunoperoxidase of monoclonal antibody to ROCK2 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 1.5 ug/ml]



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

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



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.