

Mouse ROCK2 Monoclonal Antibody | anti-ROCK2 antibody

ROCK2 (Rho-Associated, coiled-coil Containing Protein Kinase 2, KIAA0619) (APC)

CATALOG # AAA26091	HOST Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ROCK2; Monoclonal Antibody; ROCK2 (Rho-Associated; coiled-coil Containing Protein Kinase 2; KIAA0619) (APC); Rho-Associated; KIAA0619; anti-ROCK2 antibody

PRODUCT SPECIFICATIONS

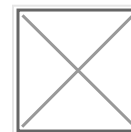
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1.0e+12
Specificity	Recognizes ROCK2.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Applicable Applications for anti-ROCK2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	ROCK2 (NP_004841, 1279aa-1388aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	KPLWHMFKPPPALECRCHIKCHKDHMDKKEEIIAPCKVYYDISTAKNLLLLANSTEEQKQWVSRLVKKIPKPPAPDPFARSSPRTSMKIQQNQSI
Conjugate	APC
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge original vial prior to removing the cap.

IMAGES



Application Data

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



IHC (Immunohistochemistry)

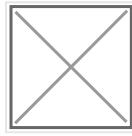
Immunoperoxidase of monoclonal antibody to ROCK2 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 1.5 ug/ml]

**IHC (Immunohistochemistry)**

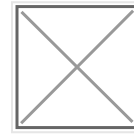
Immunoperoxidase of monoclonal antibody to ROCK2 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 1.5 ug/ml]

**IF (Immunofluorescence)**

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

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

**WB (Western Blot)**

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

ADDITIONAL INFORMATION

Related Product Information for anti-ROCK2 antibody	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. [provided by RefSeq]
Product Categories/Family for anti-ROCK2 antibody	Antibodies ; Protein Kinases
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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41872583
NCBI GeneID	9475
NCBI Accession #	NP_004841
NCBI GenBank Nucleotide #	NM_004850.3
UniProt Accession #	O75116 ; Q53QZ0 ; Q53SJ7 ; Q9UQN5
Molecular Weight	160,900 Da
NCBI Official Full Name	rho-associated protein kinase 2
NCBI Official Synonym Full Names	Rho-associated, coiled-coil containing protein kinase 2
NCBI Official Symbol	ROCK2
NCBI Official Synonym Symbols	ROCK-II
NCBI Protein Information	rho-associated protein kinase 2; p164 ROCK-2; rho-associated, coiled-coil-containing protein kinase II
UniProt Protein Name	Rho-associated protein kinase 2
UniProt Gene Name	ROCK2
UniProt Synonym Gene Names	KIAA0619; ROCK-II
UniProt Entry Name	ROCK2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/rock2-antibody-clone-1-0e-12-immunofluorescence-immunohistochemistry-western-blot-elisa/26091>