

Datasheet for ABIN6991526
anti-ROCK2 antibody (AA 920-970)



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	ROCK2
Binding Specificity:	AA 920-970
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ROCK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	ROCK2 antibody was raised against a 15 amino acid synthetic peptide near the center of human ROCK2. The immunogen is located within amino acids 920 - 970 of ROCK2.
Isotype:	IgG
Specificity:	Three isoforms of ROCK2 are known to exist, this antibody recognizes all three isoforms. ROCK2 antibody is predicted to not cross-react with other ROCK protein family members.
Purification:	ROCK2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	ROCK2
Alternative Name:	ROCK2 (ROCK2 Products)

Target Details

Background:	ROCK2 Antibody: ROCK2 is a member of the AGC serine/threonine protein kinase family that regulates the assembly of the actin cytoskeleton. ROCK2 contains a protein kinase domain, a coiled-coil region and a zinc finger region and appears to be present as a dimer. ROCK2, like its isozyme ROCK1, is a downstream target of the small G-protein Rho and plays a role in smooth muscle contraction, malignant cell transformation, tumor invasion and metastasis, and mediates the cellular morphological changes during apoptosis.
Molecular Weight:	Predicted: 153 kDa Observed: 160 kDa
Gene ID:	9475
NCBI Accession:	NP_004841
UniProt:	O75116
Pathways:	Microtubule Dynamics , WNT Signaling , Tube Formation

Application Details

Application Notes:	ROCK2 antibody can be used for detection of ROCK2 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in mouse samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	ROCK2 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C

Handling

Storage Comment: ROCK2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.