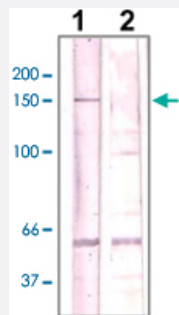


ROCK2 polyclonal antibody

Catalog # PAB12730

Size 100 ug

Applications



Immunoprecipitation

The cell lysate derived from NIH/3T3 was immunoprecipitated by ROCK2 polyclonal antibody (Cat # PAB12730), then immunoprobed by the same antibody at 1 : 500 (lane 1). Lane 2 is a negative control.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ROCK2.
Immunogen	A synthetic peptide corresponding to the epitope -VETFP- without a phosphorylation site surrounding T396 of human ROCK2.
Host	Rabbit
Theoretical MW (kDa)	165
Reactivity	Human, Mouse, Rat
Specificity	This antibody recognizes ~165 KDa of human ROCK2 without a phosphorylation site of Thr396. It does not react to phosphorylated protein.
Form	Liquid
Purification	Epitope affinity purification
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (0.01-0.1 ug/mL) Immunohistochemistry (0.5-2 ug/mL) Immunoprecipitation (2-5 ug/mL) Western Blot (0.1-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In TBS, pH 7.2 (antibody stabilizer).
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry
- Immunoprecipitation

The cell lysate derived from NIH/3T3 was immunoprecipitated by ROCK2 polyclonal antibody (Cat # PAB12730), then immunoprobed by the same antibody at 1 : 500 (lane 1). Lane 2 is a negative control.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ROCK2

Entrez GeneID	9475
Gene Name	ROCK2
Gene Alias	KIAA0619
Gene Description	Rho-associated, coiled-coil containing protein kinase 2
Omim ID	604002
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000195104

Publication Reference

- [Functional effects of rho-kinase-dependent phosphorylation of specific sites on cardiac troponin.](#)

Vahebi S, Kobayashi T, Warren CM, de Tombe PP, Solaro RJ.

Circulation Research 2005 Mar; 96(7):740.

Pathway

- [Axon guidance](#)
- [Chemokine signaling pathway](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Regulation of actin cytoskeleton](#)
- [TGF-beta signaling pathway](#)
- [Vascular smooth muscle contraction](#)
- [Wnt signaling pathway](#)

Disease

- [Breast Neoplasms](#)
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