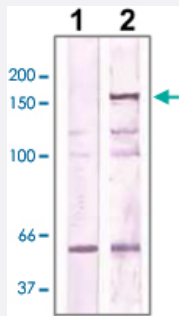


ROCK2 polyclonal antibody

Catalog # PAB12728 Size 100 ug

Applications



Immunoprecipitation

The cell lysate derived from NIH/3T3 was immunoprecipitated by ROCK2 polyclonal antibody (Cat # PAB12728), then immunoprobed by the same antibody at 1 : 500 (lane 2). Lane 1 is a negative control.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ROCK2.
Immunogen	A synthetic peptide corresponding to amino acids 250-350 of human ROCK2.
Host	Rabbit
Theoretical MW (kDa)	165
Reactivity	Human, Mouse, Rat
Specificity	This antibody recognizes ~165 KDa of human ROCK2.
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 PBS, 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 # PAB12728), then immunoprobed by the same antibody at 1 : 500 (lane 2). Lane 1 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

- [RhoB/ROCK mediates oxygen-glucose deprivation-stimulated syncytiotrophoblast microparticle shedding in preeclampsia.](#)

Han J, Yang BP, Li YL, Li HM, Zheng XH, Yu LL, Zhang Q, Zheng YR, Yi P, Li L, Guo JX, Zhou YG.

Cell and Tissue Research 2016 Jun; 366(2):411.

Application: WB, IP, Human, Placenta tissue

- [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](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)

- [Hypertension](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Neoplasm Metastasis](#)
- [Pre-Eclampsia](#)