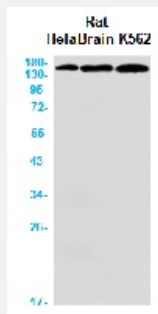


RecomAb™

ROCK2 recombinant monoclonal antibody, clone R01-4F1

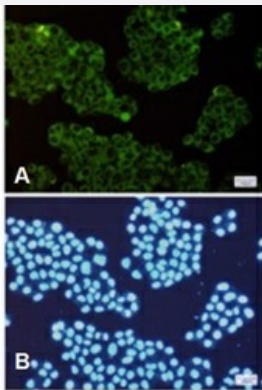
Catalog # RAB01725 Size 100 uL

Applications



Western Blot

Western blot analysis of ROCK2 in HeLa, rat Brain, K562 lysates using human ROCK2 recombinant monoclonal antibody, clone R01-4F1 (Cat # RAB01725).



Immunocytochemistry

Immunocytochemical staining of HeLa with ROCK2 recombinant monoclonal antibody, clone R01-4F1 (Cat # RAB01725). (A) ROCK2 (green) and (B) DAPI (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human ROCK2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human ROCK2
Theoretical MW (kDa)	Calculated MW: 161 k
Reactivity	Human

Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of ROCK2 in Hela, rat Brain, K562 lysates using human ROCK2 recombinant monoclonal antibody, clone R01-4F1 (Cat # RAB01725).

- Immunocytochemistry

Immunocytochemical staining of Hela with ROCK2 recombinant monoclonal antibody, clone R01-4F1 (Cat # RAB01725). (A) ROCK2 (green) and (B) DAPI (blue).

Gene Info — ROCK2

Entrez GeneID	9475
Protein Accession#	O75116
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

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](#)