

Recombinant Human ROCK2 293 Cell Lysate

Cat. No. ROCK2-2255HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for Rho-associated, coiled-coil containing protein kinase 2 (ROCK2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

ROCK2 Rho-associated, coiled-coil containing protein kinase 2 [Homo sapiens]

Official Symbol

ROCK2

Synonyms

ROCK2; Rho-associated, coiled-coil containing protein kinase 2; rho-associated protein kinase 2; p164 ROCK-2; rho-associated, coiled-coil-containing protein kinase II; ROCK-II; KIAA0619;

Gene ID

9475

mRNA Refseq

NM_004850

Protein Refseq

NP_004841

MIM

604002

UniProt ID

O75116

**Chromosome
Location**

2p24

Pathway

Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Developmental Biology, organism-specific biosystem; Focal Adhesion, organism-

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specific biosystem;

Function

ATP binding; metal ion binding; nucleotide binding; protein binding; protein
serine/threonine kinase activity; structural molecule activity;

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