

Human ROCK2 Knockdown Cell Lysate

Cat. No. ROCK2-290HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated ROCK2 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	161 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice

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Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ROCK2 KD HeLa cell lysate
Protein Families	Druggable Genome, Protein Kinase
Protein Pathways	Axon guidance, Chemokine signaling pathway, Focal adhesion, Leukocyte transendothelial migration, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton, TGF-beta signaling pathway, Vascular smooth muscle contraction, Wnt signaling pathway
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	ROCK2 Rho-associated, coiled-coil containing protein kinase 2 [Homo sapiens (human)]
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

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