

Human RPS6KB2 Knockdown Cell Lysate

Cat. No. RPS6KB2-422HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated RPS6KB2 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains a kinase catalytic domain and phosphorylates the S6 ribosomal protein and eukaryotic translation initiation factor 4B (eIF4B). Phosphorylation of S6 leads to an increase in protein synthesis and cell proliferation.
Form	Cell-Tissue Lysis buffer
Molecular Mass	53 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

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg RPS6KB2 KD HeLa cell lysate
Protein Families	Druggable Genome, Protein Kinase
Protein Pathways	Acute myeloid leukemia, ErbB signaling pathway, Fc gamma R-mediated phagocytosis, Insulin signaling pathway, mTOR signaling pathway, TGF-beta signaling pathway
Lysate QC	RT-qPCR; Western Blotting (WB)
GENE INFORMATION	
Gene Name	RPS6KB2 ribosomal protein S6 kinase, 70kDa, polypeptide 2 [Homo sapiens (human)]
Official Symbol	RPS6KB2
Synonyms	RPS6KB2; ribosomal protein S6 kinase, 70kDa, polypeptide 2; ribosomal protein S6 kinase, 70kD, polypeptide 2; ribosomal protein S6 kinase beta-2; KLS; P70 BETA; p70S6Kb; STK14B; P70S6K2; S6K-beta; p70 S6KB; p70-S6K 2; S6K-beta-2; p70 S6K-beta; p70 S6 kinase beta; S6 kinase-related kinase; p70 ribosomal S6 kinase beta; serine/threonine-protein kinase 14B; 70 kDa ribosomal protein S6 kinase 2; serine/threonine-protein kinase 14 beta; SRK; S6K2; P70-beta; S6K-beta2; P70-beta-1; P70-beta-2; p70(S6K)-beta;
Gene ID	6199
mRNA Refseq	NM_003952

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Protein Refseq NP_003943

MIM 608939

UniProt ID Q9UBS0

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