

Recombinant Human RPS6KB2 293 Cell Lysate

Cat. No. RPS6KB2-2158HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for ribosomal protein S6 kinase, 70kDa, polypeptide 2 (RPS6KB2) 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	RPS6KB2 ribosomal protein S6 kinase, 70kDa, polypeptide 2 [Homo sapiens]
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
Protein Refseq	NP_003943
MIM	608939
UniProt ID	Q9UBS0
Chromosome Location	11q13.1
Pathway	AKT phosphorylates targets in the nucleus, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved

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biosystem; Adaptive Immune System, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; Disease, organism-specific biosystem; Downstream Signaling Events Of B Cell Receptor (BCR), organism-specific biosystem;

Function

ATP binding; nucleotide binding; peptide binding; protein kinase activity; protein serine/threonine kinase activity; ribosomal protein S6 kinase activity;

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