

Recombinant Human DAPK2 293 Cell Lysate

Cat. No. DAPK2-7076HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for death-associated protein kinase 2 (DAPK2) 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

DAPK2 death-associated protein kinase 2 [Homo sapiens]

Official Symbol

DAPK2

Synonyms

DAPK2; death-associated protein kinase 2; DRP 1; MGC119312; DAP kinase 2; DAP-kinase-related protein 1 beta isoform; DRP1; DRP-1;

Gene ID

23604

mRNA Refseq

NM_014326

Protein Refseq

NP_055141

UniProt ID

Q9UIK4

Chromosome Location

15q22.1

Pathway

Apoptosis, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Pathways in cancer, organism-specific biosystem; Regulation of Apoptosis, organism-specific biosystem; Role of DCC in regulating apoptosis, organism-specific biosystem;

Function

ATP binding; calmodulin binding; calmodulin-dependent protein kinase activity; identical protein binding; nucleotide binding; protein serine/threonine kinase activity;

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