

Recombinant Human PKN2 293 Cell Lysate

Cat. No. PKN2-3150HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein kinase N2 (PKN2) 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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	PKN2 protein kinase N2 [Homo sapiens]
Official Symbol	PKN2
Synonyms	PKN2; protein kinase N2; PRKCL2, protein kinase C like 2; serine/threonine-protein kinase N2; cardiolipin activated protein kinase Pak2; Pak 2; PRK2; PKN gamma; protein kinase C-like 2; protein-kinase C-related kinase 2; cardiolipin-activated protein kinase Pak2; PAK2; Pak-2; PRKCL2; PRO2042; MGC71074; MGC150606;
Gene ID	5586
mRNA Refseq	NM_006256
Protein Refseq	NP_006247
MIM	602549
UniProt ID	Q16513
Chromosome Location	1p22
Pathway	EGFR1 Signaling Pathway, organism-specific biosystem; RhoA signaling pathway, organism-specific biosystem; Salmonella infection, organism-specific biosystem; Salmonella infection, conserved biosystem;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Function

ATP binding; histone deacetylase binding; nucleotide binding; protein binding; protein kinase C activity; protein kinase activity; protein serine/threonine kinase activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA