

Recombinant Human PAN2 293 Cell Lysate

Cat. No. PAN2-3446HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for PAN2 poly(A) specific ribonuclease subunit homolog (S. cerevisiae) (PAN2), transcript variant 3 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

PAN2 PAN2 poly(A) specific ribonuclease subunit homolog (S. cerevisiae) [Homo sapiens]

Official Symbol

PAN2

Synonyms

PAN2; PAN2 poly(A) specific ribonuclease subunit homolog (S. cerevisiae); ubiquitin specific peptidase 52 , ubiquitin specific protease 52 , USP52; PAB-dependent poly(A)-specific ribonuclease subunit 2; hPAN2; KIAA0710; PAN2 homolog; PABP1 dependent poly A specific ribonuclease subunit (S. cerevisiae); ubiquitin specific protease 52; ubiquitin specific peptidase 52; PABP-dependent poly(A) nuclease 2; PAN2 polyA specific ribonuclease subunit; inactive ubiquitin carboxyl-terminal hydrolase 52; USP52; FLJ39360;

Gene ID

9924

mRNA Refseq

NM_001127460

Protein Refseq

NP_001120932

UniProt ID

Q504Q3

Chromosome Location

12q13.2

Pathway

Deadenylation of mRNA, organism-specific biosystem; Deadenylation-dependent

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mRNA decay, organism-specific biosystem; Gene Expression, organism-specific biosystem; RNA degradation, organism-specific biosystem; RNA degradation, conserved biosystem;

Function

exonuclease activity; hydrolase activity; nucleic acid binding; poly(A)-specific ribonuclease activity; ubiquitin thiolesterase activity;

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