Recombinant Human PAN2 293 Cell Lysate

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

SPECIFICATION

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

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

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