

## Recombinant Human KPNA2 293 Cell Lysate

**Cat. No.** KPNA2-4891HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for karyopherin alpha 2 (RAG cohort 1, importin alpha 1) (KPNA2) 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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** [KPNA2 karyopherin alpha 2 \(RAG cohort 1, importin alpha 1\) \[ Homo sapiens \]](#)

**Official Symbol** [KPNA2](#)

**Synonyms** [KPNA2](#); [karyopherin alpha 2 \(RAG cohort 1, importin alpha 1\)](#); [RCH1](#); [importin subunit alpha-2](#); [IPOA1](#); [QIP2](#); [SRP1alpha](#); [pendulin](#); [SRP1-alpha](#); [RAG cohort 1](#); [importin alpha 1](#); [importin alpha 2](#); [importin-alpha-P1](#); [RAG cohort protein 1](#); [karyopherin subunit alpha-2](#);

**Gene ID** [3838](#)

**mRNA Refseq** [NM\\_002266](#)

**Protein Refseq** [NP\\_002257](#)

**MIM** [600685](#)

**UniProt ID** [P52292](#)

**Chromosome Location** [17q24.2](#)

**Pathway** [Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem](#); [Cytokine Signaling in Immune system, organism-specific biosystem](#); [ISG15 antiviral mechanism, organism-specific biosystem](#); [Immune System, organism-specific biosystem](#); [Influenza A, organism-specific biosystem](#); [Influenza A, conserved biosystem](#); [Interferon Signaling, organism-specific biosystem](#);

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**Function**

histone deacetylase binding; nuclear localization sequence binding; protein binding;  
protein transporter activity;

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