

KPNA2 Rabbit pAb

Catalog No.: A1623

3 Publications

Basic Information

Observed MW

55kDa

Calculated MW

58kDa

Category

Primary antibody

Applications

ELISA,WB,IP

Cross-Reactivity

Human, Mouse

Background

The import of proteins into the nucleus is a process that involves at least 2 steps. The first is an energy-independent docking of the protein to the nuclear envelope and the second is an energy-dependent translocation through the nuclear pore complex. Imported proteins require a nuclear localization sequence (NLS) which generally consists of a short region of basic amino acids or 2 such regions spaced about 10 amino acids apart. Proteins involved in the first step of nuclear import have been identified in different systems. These include the Xenopus protein importin and its yeast homolog, SRP1 (a suppressor of certain temperature-sensitive mutations of RNA polymerase I in *Saccharomyces cerevisiae*), which bind to the NLS. KPNA2 protein interacts with the NLSs of DNA helicase Q1 and SV40 T antigen and may be involved in the nuclear transport of proteins. KPNA2 also may play a role in V(D)J recombination. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB	1:500 - 1:2000
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IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
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Immunogen Information

Gene ID

3838

Swiss Prot

P52292

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-290 of human KPNA2 (NP_002257.1).

Synonyms

QIP2; RCH1; IPOA1; PTAC58; SRP1alpha; SRP1-alpha; KPNA2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

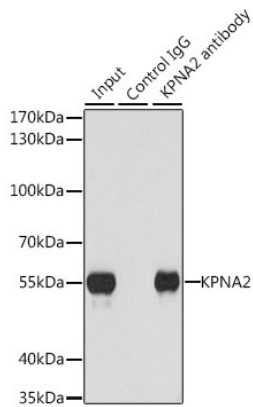
Affinity purification

Storage

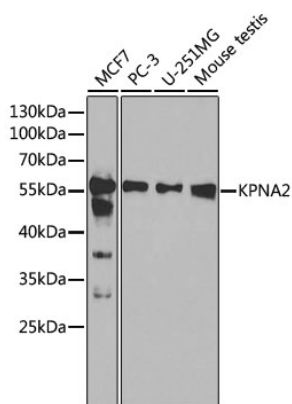
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Immunoprecipitation analysis of 200 µg extracts of U-251MG cells, using 3 µg KPNA2 antibody (A1623). Western blot was performed from the immunoprecipitate using KPNA2 antibody (A1623) at a dilution of 1:1000.



Western blot analysis of various lysates using KPNA2 Rabbit pAb (A1623) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.