

# KPNA2 Antibody

Catalog No: #32349



Package Size: #32349-1 50ul #32349-2 100ul

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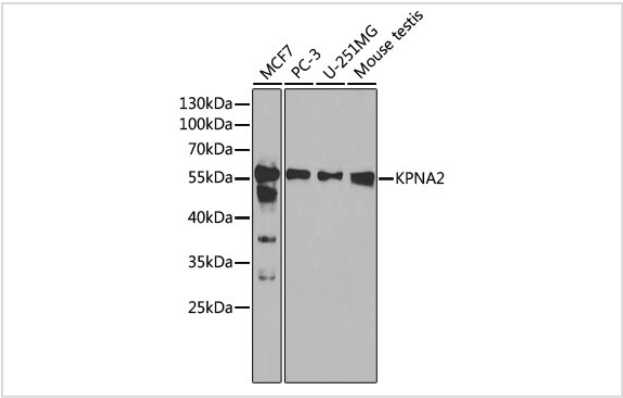
## Description

Product Name	KPNA2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous level of total KPNA2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human KPNA2 (NP_002257.1).
Target Name	KPNA2
Other Names	KPNA2;IPOA1;QIP2;RCH1;SRP1-alpha;SRP1alpha
Accession No.	Uniprot:P52292GeneID:3838
SDS-PAGE MW	55kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

## Application Details

WB 1:500 - 1:2000

## Images



Western blot analysis of extracts of various cell lines, using KPNA2 antibody.

## 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.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.