

Rabbit anti-Human, Mouse KPNA2 Polyclonal Antibody | anti-KPNA2 antibody

KPNA2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA174087	Rabbit	Human, Mouse	Immunofluorescence, Western Blot

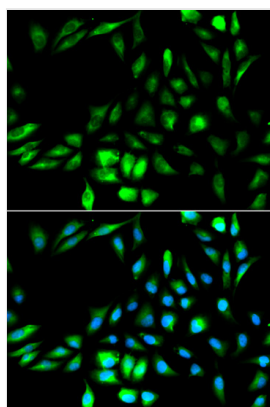
PRODUCT SYNONYMS

KPNA2; Polyclonal Antibody; KPNA2 Polyclonal Antibody; IMA1; Importin alpha 1; Importin alpha 2; Importin alpha 2 subunit; Importin alpha P1; Importin subunit alpha-1; IPO A1; IPOA 1; IPOA1; Karyopherin alpha 2; Karyopherin alpha 2 RAG cohort 1; Karyopherin alpha 2 subunit; Karyopherin subunit alpha-2; KPNA2 protein; Pendulin; QIP 2; QIP2; RAG cohort 1; RAG cohort protein 1; RCH 1; RCH1; SRP 1; SRP1 alpha; SRP1; SRP1-alpha; SRP1alpha; anti-KPNA2 antibody

PRODUCT SPECIFICATIONS

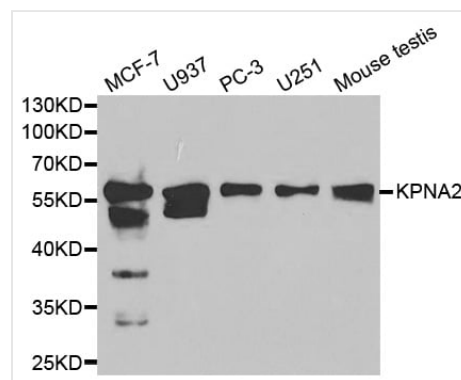
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration	1 mg/mL (varies by lot)
Sequence Length	529
Applicable Applications for anti-KPNA2 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant protein of human KPNA2
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of MCF-7 cells using KPNA2 antibody.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-KPNA2 antibody	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.
Product Categories/Family for anti-KPNA2 antibody	Cancer; Immunology; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	1002341781
NCBI GeneID	3838
NCBI Accession #	NP_001307540.1
NCBI GenBank Nucleotide #	NM_001320611.1
UniProt Accession #	P52292; Q53YE3; Q6NVW7; Q9BRU5; B9EJD6
Molecular Weight	Calculated: 57kDa Observed: 60kDa
NCBI Official Full Name	importin subunit alpha-1
NCBI Official Synonym Full Names	karyopherin subunit alpha 2
NCBI Official Symbol	KPNA2
NCBI Official Synonym Symbols	QIP2; RCH1; IPOA1; SRP1alpha; SRP1-alpha
NCBI Protein Information	importin subunit alpha-1
UniProt Protein Name	Importin subunit alpha-1
UniProt Gene Name	KPNA2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kpna2-antibody-immunofluorescence-western-blot-elisa/174087>