

Rabbit Karyopherin alpha 2 Polyclonal Antibody | anti-KPNA2 antibody

Karyopherin alpha 2 antibody

CATALOG # AAA107603	HOST Rabbit	APPLICATIONS Western Blot, Immunocytochemistry, Immunofluorescence
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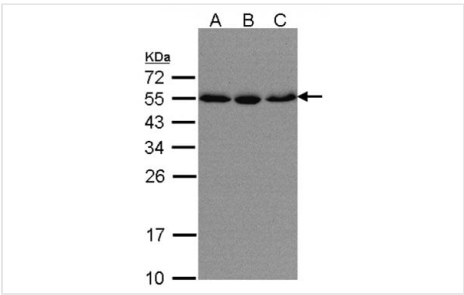
PRODUCT SYNONYMS

Karyopherin alpha 2; Polyclonal Antibody; Karyopherin alpha 2 antibody; Polyclonal Karyopherin alpha 2; Anti-Karyopherin alpha 2; QIP2; Karyopherin alpha -2; RAG cohort 1; IPOA1; pendulin; KPNA2; SRP1alpha; importin-alpha-P1; karyopherin subunit alpha-2; RAG cohort protein 1; SRP1-alpha; RCH1; importin alpha 1; importin subunit alpha-2; anti-KPNA2 antibody

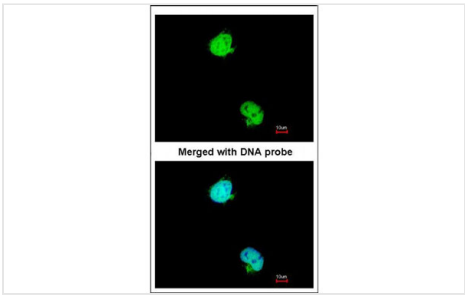
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Karyopherin alpha 2 antibody was purified by antigen-affinity chromatography
Form/Format	Supplied as a concentrated solution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Concentration	0.71 mg/ml (varies by lot)
Sequence Length	529
Applicable Applications for anti-KPNA2 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence)
Biological Significance	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.
Cross-Reactivity	Human
Immunogen	Karyopherin alpha 2 antibody was raised in rabbit using a synthetic peptide corresponding to a region within amino acids 468 and 529 of karyopherin alpha 2
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of 30 ug of whole cell lysate (A:HeLa S3; B:Hep G2; C:MOLT4) using a 10 % SDS PAGE gel and Karyopherin alpha 2 antibody at a dilution of 1:500



IF (Immunofluorescence)
Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using karyopherin alpha 2 antibody at 1:200 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-KPNA2 antibody	Affinity purified Rabbit polyclonal Karyopherin alpha 2 antibody
Product Categories/Family for anti-KPNA2 antibody	Cell Biology; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	15865453
NCBI GeneID	3838
UniProt Accession #	P52292; Q53YE3; Q9BRU5; B9EJD6
Molecular Weight	58 kDa
NCBI Official Full Name	karyopherin alpha 2
NCBI Official Synonym Full Names	karyopherin alpha 2 (RAG cohort 1, importin alpha 1)
NCBI Official Symbol	KPNA2
NCBI Official Synonym Symbols	QIP2; RCH1; IPOA1; SRP1alpha
NCBI Protein Information	importin subunit alpha-1
UniProt Protein Name	Importin subunit alpha-1
UniProt Gene Name	KPNA2
UniProt Synonym Gene Names	RCH1; SRP1
UniProt Entry Name	IMA1_HUMAN

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://www.aaabiotech.com/polyclonal/karyopherin-alpha-2-antibody-western-blot-immunocytochemistry-immunofluorescence-elisa/107603>