Rabbit KPNA2 Polyclonal Antibody | anti-KPNA2 antibody

KPNA2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29686	**Rabbit**	**Human, Mouse, Rat**	**Western Blot, Immunohistochemistry, Immunofluorescence**

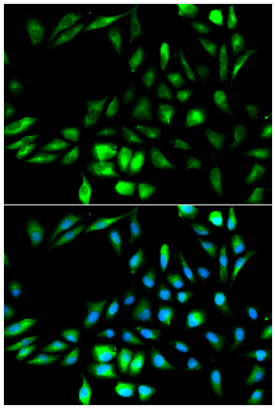
PRODUCT SYNONYMS

KPNA2; Polyclonal Antibody; KPNA2 Antibody; QIP2; RCH1; IPOA1; SRP1alpha; anti-KPNA2 antibody

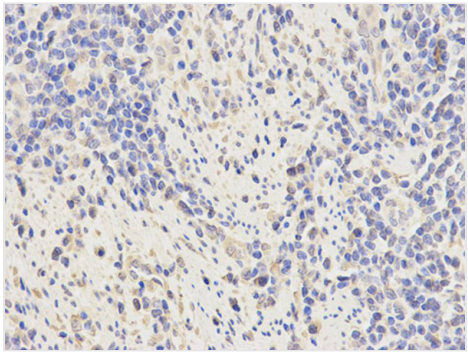
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total KPNA2 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	529
Applicable Applications for anti-KPNA2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Western blotting: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:100 Immunofluorescence: 1:50 - 1:200
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human KPNA2.
Target Name	KPNA2
Preparation and Storage	Store at -20 degree C

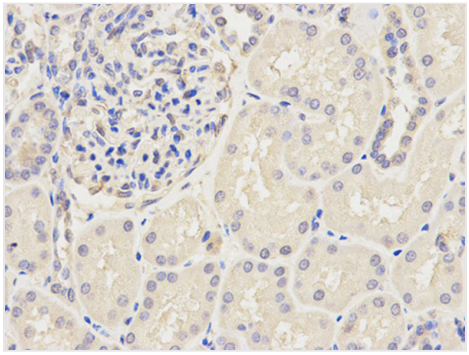
IMAGES



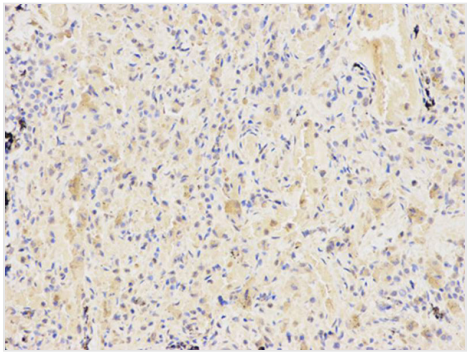
IF (Immunofluorescence)
Immunofluorescence analysis of MCF7 cell using KPNA2 antibody. Blue: DAPI for nuclear staining.



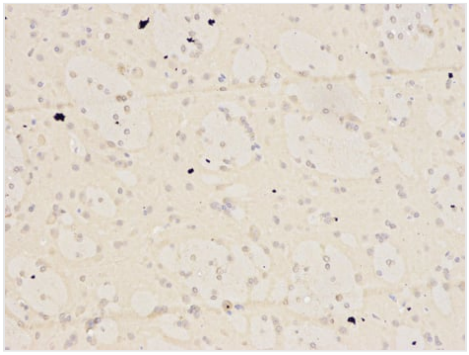
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded rat brain using KPNA2 antibody at dilution of 1:200 (200x lens).



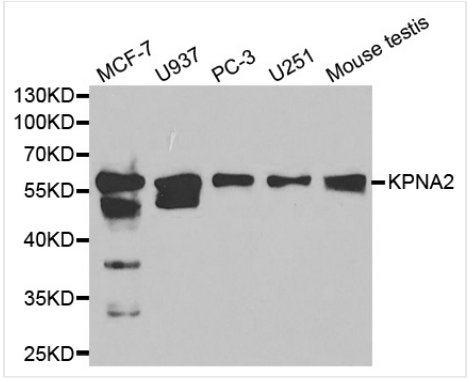
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human stomach cancer using KPNA2 antibody at dilution of 1:200 (400x lens).



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human lung using KPNA2 antibody at dilution of 1:200 (200x lens).



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human kidney using KPNA2 antibody at dilution of 1:200 (400x lens).



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

Product Categories/Family for anti-KPNA2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504897
NCBI GeneID	3838
NCBI Accession #	NP_002257.1
NCBI GenBank Nucleotide #	NM_002266.2
UniProt Accession #	P52292; Q53YE3; Q9BRU5; B9EJD6
Molecular Weight	57,862 Da
NCBI Official Full Name	importin subunit alpha-1
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://stage.aaabiotech.com/polyclonal/kpna2-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/29686