

Rabbit KPNA2 Polyclonal Antibody | anti-KPNA2 antibody

KPNA2 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200396	Rabbit	Tested Species Reactivity: Mouse Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit	Western Blot

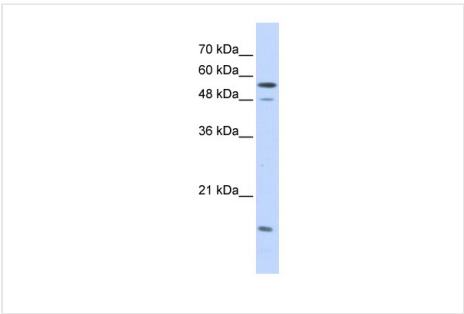
PRODUCT SYNONYMS

KPNA2; Polyclonal Antibody; KPNA2 antibody - middle region; anti-KPNA2 antibody

PRODUCT SPECIFICATIONS

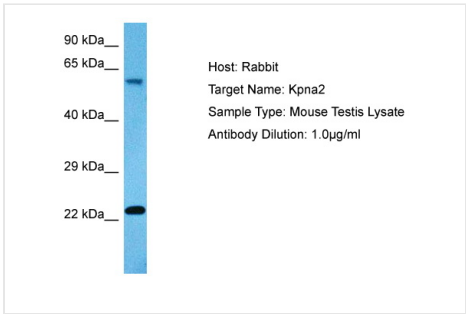
Host	Rabbit
Reactivity	Tested Species Reactivity: Mouse Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following region: GT DEQTQVVIDA GALAVFPSLL TNPKTNIQKE ATWTMSNITA GRQDQIQQ
Sequence Length	529
Applicable Applications for anti-KPNA2 antibody	WB (Western Blot)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 86%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 93%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human KPNA2
Protein Size (# AA)	529 amino acids
Protein Interactions	NUP50; HOMEZ; TRIM54; NECAB2; SERTAD3; NUP62; RBPMS; HMG20A; HUWE1; MAGED1; UBC; TADA2A; MLH1; MDFI; FUS; AP2B1; INO80E; NUTM1; KRT40; PNMA5; LZTS2; USHBP1; NMNAT1; GMCL1; HNRNPC; SMAD6; rev; KPNA4; HSP90AB1; PRMT1; ACLY; COPS4; KPNA6; CDK11A; SRPK1; CLK3
Blocking Peptide	For anti-KPNA2 antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-KPNA2 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Transfected 293T



WB (Western Blot)

Host: Mouse
Target Name: KPNA2
Sample Tissue: Mouse Testis
Antibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-KPNA2 antibody	This is a rabbit polyclonal antibody against KPNA2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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 <i>Saccharomyces cerevisiae</i>), 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. 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 <i>Saccharomyces cerevisiae</i>), 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-KPNA2 antibody	Polyclonal; Cell Cycle Proteins; Drugs and Drug Metabolism; Chromatin & Nuclear Signaling; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504897
NCBI GeneID	3838
NCBI Accession #	NP_002257
NCBI GenBank Nucleotide #	NM_002266
UniProt Accession #	P52292
Molecular Weight	58kDa
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/kpna2-antibody-western-blot-elisa/200396>