

Rabbit KPNA1 Polyclonal Antibody | anti-KPNA1 antibody

KPNA1 Antibody

CATALOG # AAA40006	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

KPNA1; Polyclonal Antibody; KPNA1 Antibody; RCH2; SRP1; IPOA5; NPI-1; Importin subunit alpha-5; Karyopherin subunit alpha-1; karyopherin alpha 1 (importin alpha 5); anti-KPNA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	KPNA1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	538
Applicable Applications for anti-KPNA1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	KPNA1 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human KPNA1.
Buffer	KPNA1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	KPNA1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



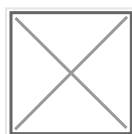
IF (Immunofluorescence)

Immunofluorescence of KPNA1 in K562 cells with KPNA1 antibody at 20 μg/mL.



ICC (Immunocytochemistry)

Immunocytochemistry of KPNA1 in HeLa cells with KPNA1 antibody at 2.5 μg/mL.



WB (Western Blot)

Western blot analysis of KPNA1 in HeLa cell lysate with KPNA1 antibody at 1μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-KPNA1 antibody	KPNA1 Antibody: Karyopherin, a cytosolic and heterodimeric protein complex consisting of alpha and beta subunits, is responsible for targeting proteins with nuclear localization signals to the nuclear pore complex by an energy requiring, Ran-dependent mechanism. The alpha subunit and imported substrate enter the nucleus and accumulate in the nucleoplasm, while the beta subunit accumulates at the NPC. KPNA1, also known as importin alpha 5, is the alpha subunit of karyopherin, which forms a complex with importin subunit beta-1 and functions in nuclear protein import as an adapter protein for nuclear receptor KPNB1. It is ubiquitously expressed and polyubiquitinated in the presence of RAG1. KPNA1 interacts with various virus nucleoproteins, including those of Ebola and influenza.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222144293
NCBI GeneID	3836
NCBI Accession #	NP_002255
NCBI GenBank Nucleotide #	NM_002264.3
UniProt Accession #	P52294; Q6IBQ9; Q9BQ56; D3DN93
Molecular Weight	60,222 Da
NCBI Official Full Name	importin subunit alpha-5
NCBI Official Synonym Full Names	karyopherin alpha 1 (importin alpha 5)
NCBI Official Symbol	KPNA1
NCBI Official Synonym Symbols	RCH2; SRP1; IPOA5; NPI-1
NCBI Protein Information	importin subunit alpha-5; SRP1-beta; importin alpha 5; importin-alpha-S1; RAG cohort protein 2; importin subunit alpha-1; nucleoprotein interactor 1; karyopherin subunit alpha-1; recombination activating gene cohort 2
UniProt Protein Name	Importin subunit alpha-5
UniProt Gene Name	KPNA1
UniProt Synonym Gene Names	RCH2; NPI-1
UniProt Entry Name	IMA5_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/kpna1-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/40006>