

Rabbit KPNA1 Polyclonal Antibody | anti-KPNA1 antibody

KPNA1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301558	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

KPNA1; Polyclonal Antibody; KPNA1 Antibody; Karyopherin alpha 1 Nucleoprotein interactor 1; Importin alpha 5; IPOA5; RAG cohort protein 2; RCH2; SRP1; NPI-1; anti-KPNA1 antibody

PRODUCT SPECIFICATIONS

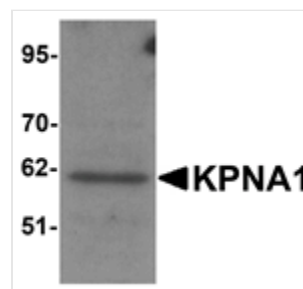
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	538
Applicable Applications for anti-KPNA1 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide near the amino terminus of human KPNA1.
Target Name	KPNA1
Preparation and Storage	Can be stored at -20 degree C, stable for 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



ICC (Immunocytochemistry)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-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.
Product Categories/Family for anti-KPNA1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	222144293
NCBI GeneID	3836
NCBI Accession #	NP_002255
NCBI GenBank Nucleotide #	NM_002264.3
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kpna1-antibody-immunocytochemistry-western-blot-elisa/301558>