

Rabbit anti-Human, Mouse KPNA2 Polyclonal Antibody | anti-KPNA2 antibody

KPNA2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232557	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

KPNA2; Polyclonal Antibody; KPNA2 Antibody; Importin subunit alpha-1; Karyopherin subunit alpha-2; RAG cohort protein 1; SRP1-alpha; RCH1; SRP1; anti-KPNA2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	529
Applicable Applications for anti-KPNA2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Importin subunit alpha-1 protein (2-285AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-6917 / sc-25522
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



WB (Western Blot)

Western BlotPositive WB detected in:HepG2 whole cell lysate,Raji whole cell lysate,Jurkat whole cell lysate,HEK293 whole cell lysate,NIH/3T3 whole cell lysate,A549 whole cell lysate,U251 whole cell lysateAll lanes: KPNA2 antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 58 kDaObserved band size: 58,36 kDa



IHC (Immunohistochemistry)

Immunofluorescent analysis of HepG2 cells using AAA232557 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human colonic tissue using AAA232557 at dilution of 1:100

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human lymph node tissue using AAA232557 at dilution of 1:100

ADDITIONAL INFORMATION**Related Product Information for anti-KPNA2 antibody**

Functions in nuclear protein import as an adapter protein for nuclear receptor KPNB1. Binds specifically and directly to substrates containing either a simple or bipartite NLS motif. Docking of the importin/substrate complex to the nuclear pore complex (NPC) is mediated by KPNB1 through binding to nucleoporin FxFG repeats and the complex is subsequently translocated through the pore by an energy requiring, Ran-dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds to importin-beta and the three components separate and importin-alpha and -beta are re-exported from the nucleus to the cytoplasm where GTP hydrolysis releases Ran from importin. The directionality of nuclear import is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1002341781
NCBI GeneID	3838
NCBI Accession #	NP_001307540.1
NCBI GenBank Nucleotide #	NM_001320611.1
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 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-immunofluorescence-immunohistochemistry-western-blot-elisa/232557>