

Rabbit anti-Human, Mouse KPNA4 Polyclonal Antibody | anti-KPNA4 antibody

KPNA4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232558	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

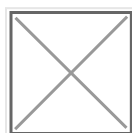
PRODUCT SYNONYMS

KPNA4; Polyclonal Antibody; KPNA4 Antibody; Importin subunit alpha-3; Importin alpha Q1; Qip1; Karyopherin subunit alpha-4; QIP1; anti-KPNA4 antibody

PRODUCT SPECIFICATIONS

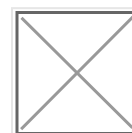
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	521
Applicable Applications for anti-KPNA4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Importin subunit alpha-3 protein (51-239AA)
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-55266 / sc-55267 / sc-55270
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



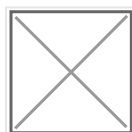
IF (Immunofluorescence)

Immunofluorescent analysis of PC3 cells using AAA232558 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



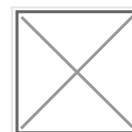
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate cancer using AAA232558 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA232558 at dilution of 1:100



WB (Western Blot)

Western BlotPositive WB detected in:Mouse heart tissue,Mouse lung tissue,Mouse brain tissue,Mouse kidney tissue,Mouse skeletal muscle tissueAll lanes: KPNA4 antibody at 3.5ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 58 kDaObserved band size: 58 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-KPNA4 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. In vitro, mediates the nuclear import of human cytomegalovirus UL84 by recognizing a non-classical NLS. In vitro, mediates the nuclear import of human cytomegalovirus UL84 by recognizing a non-classical NLS.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504901
NCBI GeneID	3840
NCBI Accession #	NP_002259.1
NCBI GenBank Nucleotide #	NM_002268.4
UniProt Accession #	O00629; O00190; A8K4S6; D3DNM2
Molecular Weight	57,887 Da
NCBI Official Full Name	importin subunit alpha-3
NCBI Official Synonym Full Names	karyopherin subunit alpha 4
NCBI Official Symbol	KPNA4
NCBI Official Synonym Symbols	QIP1; SRP3; IPOA3
NCBI Protein Information	importin subunit alpha-3
UniProt Protein Name	Importin subunit alpha-3
UniProt Gene Name	KPNA4
UniProt Synonym Gene Names	QIP1; Qip1
UniProt Entry Name	IMA3_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/kpna4-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/232558>