

Rabbit Karyopherin alpha2 Polyclonal Antibody | anti-KPNA2 antibody

Karyopherin alpha2 Polyclonal Antibody

CATALOG # AAA29316	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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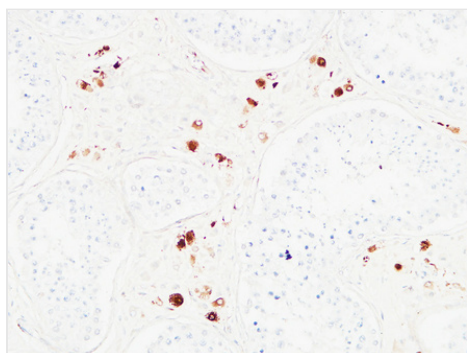
PRODUCT SYNONYMS

Karyopherin alpha2; Polyclonal Antibody; Karyopherin alpha2 Polyclonal Antibody; KPNA2; RCH1; SRP1; Importin subunit alpha-2; Karyopherin subunit alpha-2; RAG cohort protein 1; SRP1-alpha; anti-KPNA2 antibody

PRODUCT SPECIFICATIONS

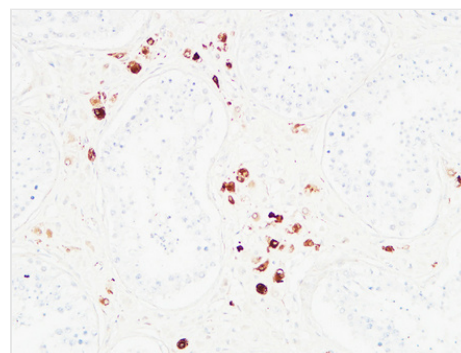
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Applicable Applications for anti-KPNA2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



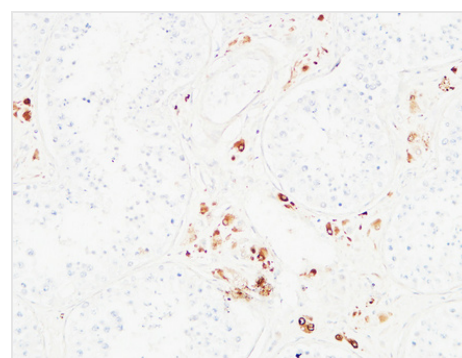
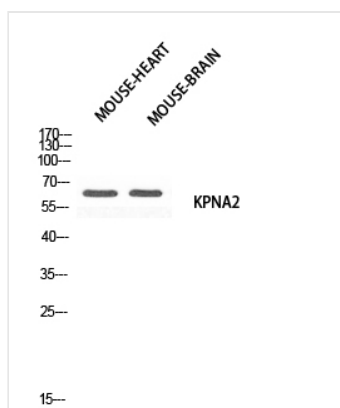
IHC (Immunohistochemistry)

Dilution: IHC-p: 100-300. Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.



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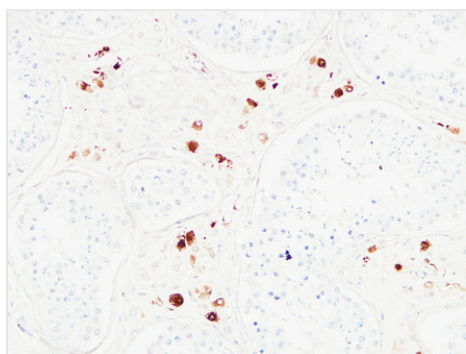


IHC (Immunohistochemistry-Paraffin)

Dilution: IHC-p: 100-300. Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

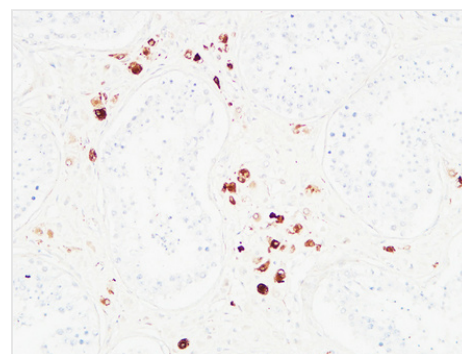
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ADDITIONAL INFORMATION

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 #	1708480
NCBI GeneID	3838
UniProt Accession #	P52292; Q53YE3; Q9BRU5; B9EJD6
Molecular Weight	529
NCBI Official Full Name	Importin subunit alpha-1
NCBI Official Synonym Full Names	karyopherin alpha 2 (RAG cohort 1, importin alpha 1)
NCBI Official Symbol	KPNA2
NCBI Official Synonym Symbols	QIP2; RCH1; IPOA1; SRP1alpha
NCBI Protein Information	importin subunit alpha-1; pendulin; SRP1-alpha; RAG cohort 1; importin alpha 1; importin alpha 2; importin-alpha-P1; RAG cohort protein 1; importin subunit alpha-2; karyopherin subunit alpha-2

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/karyopherin-alpha2-antibody-western-blot-immunohistochemistry-elisa/29316>