Rabbit anti-Human KPNA6 Polyclonal Antibody | anti-KPNA6 antibody

KPNA6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA230885	**Rabbit**	**Human**	**Immunohistochemistry, Western Blot, ELISA**

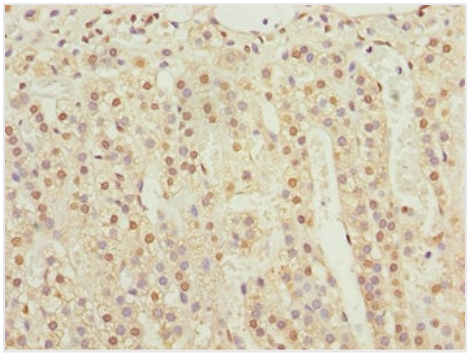
PRODUCT SYNONYMS

KPNA6; Polyclonal Antibody; KPNA6 Antibody; Importin subunit alpha-7; Karyopherin subunit alpha-6; IPOA7; anti-KPNA6 antibody

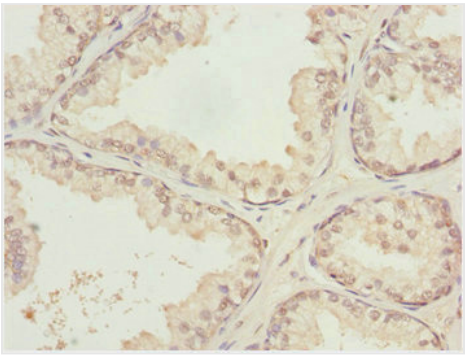
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	536
Applicable Applications for anti-KPNA6 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human Importin subunit alpha-7 protein (C-260AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-68197
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

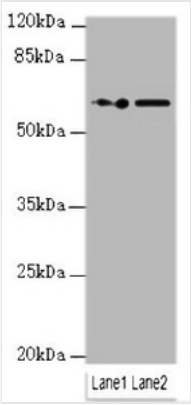
IMAGES



IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded human adrenal gland tissue using AAA230885 at dilution 1:100



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human prostate cancer using AAA230885 at dilution 1:100



WB (Western Blot)
Western blotAll lanes: KPNA6 antibody at 0.95ug/mlLane 1 : PC-3 whole cell lysateLane 2 : Hela whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 60 kDaObserved band size: 60 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-KPNA6 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 #	6912478
NCBI GeneID	23633
NCBI Accession #	NP_036448.1
NCBI GenBank Nucleotide #	NM_012316.4
UniProt Accession #	O60684; Q5VVU3; B2RDC7; D3DPP5
Molecular Weight	60,030 Da
NCBI Official Full Name	importin subunit alpha-7
NCBI Official Synonym Full Names	karyopherin subunit alpha 6
NCBI Official Symbol	KPNA6
NCBI Official Synonym Symbols	IPOA7; KPNA7
NCBI Protein Information	importin subunit alpha-7
UniProt Protein Name	Importin subunit alpha-7
UniProt Gene Name	**KPNA6**
UniProt Synonym Gene Names	IPOA7
UniProt Entry Name	IMA7_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.