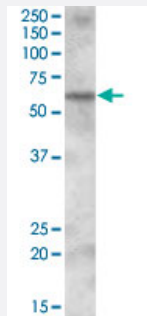


KPNA6 polyclonal antibody

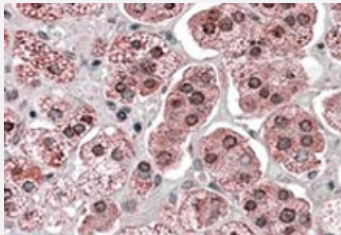
Catalog # PAB11545 Size 100 ug

Applications



Western Blot (Tissue lysate)

KPNA6 polyclonal antibody (Cat # PAB11545) (0.1 ug/mL) staining of human muscle lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

KPNA6 polyclonal antibody (Cat # PAB11545) (3.8 ug/mL) staining of paraffin embedded human adrenal gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of KPNA6.
Immunogen	A synthetic peptide corresponding to internal region of human KPNA6.
Sequence	C-STTGESVITREMVE
Host	Goat
Theoretical MW (kDa)	60
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:128000) Western Blot (0.1-0.3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (3-6 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — KPNA6

Entrez GeneID	23633
Protein Accession#	NP_036448.1
Gene Name	KPNA6
Gene Alias	FLJ11249, IPOA7, KPNA7, MGC17918
Gene Description	karyopherin alpha 6 (importin alpha 7)
Omim ID	610563
Gene Ontology	Hyperlink

Gene Summary

Nucleocytoplasmic transport, a signal- and energy-dependent process, takes place through nuclear pore complexes embedded in the nuclear envelope. The import of proteins containing a nuclear localization signal (NLS) requires the NLS import receptor, a heterodimer of importin alpha and beta subunits also known as karyopherins. Importin alpha binds the NLS-containing cargo in the cytoplasm and importin beta docks the complex at the cytoplasmic side of the nuclear pore complex. In the presence of nucleoside triphosphates and the small GTP binding protein Ran, the complex moves into the nuclear pore complex and the importin subunits dissociate. Importin alpha enters the nucleoplasm with its passenger protein and importin beta remains at the pore. The protein encoded by this gene is a member of the importin alpha family. [provided by RefSeq]

Other Designations

OTTHUMP00000004532|importin alpha 7 subunit|importin-alpha-S2|karyopherin alpha 6

Publication Reference

- [Nuclear import impairment causes cytoplasmic trans-activation response DNA-binding protein accumulation and is associated with frontotemporal lobar degeneration.](#)

Nishimura AL, Zupunski V, Troakes C, Kathe C, Fratta P, Howell M, Gallo JM, Hortobágyi T, Shaw CE, Rogelj B.
Brain 2010 Jun; 133(Pt 6):1763.

Application: WB, Human, Brain, spinal cord

- [Regulation of Stat3 nuclear import by importin alpha5 and importin alpha7 via two different functional sequence elements.](#)

Ma J, Cao X.

Cellular Signalling 2006 Aug; 18(8):1117.