ARG63401
anti-KPNA2 / IPOA1 antibody

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes KPNA2 / IPOA1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	KPNA2 / IPOA1
Species	Human
Immunogen	C-QVQDGAPGTFNF
Conjugation	Un-conjugated
Alternate Names	Karyopherin subunit alpha-2; SRP1alpha; Importin subunit alpha-1; QIP2; RCH1; IPOA1; SRP1-alpha; RAG cohort protein 1

Application Instructions

Application table

Application	Dilution
IHC-P	5 µg/ml
WB	0.03 - 0.1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

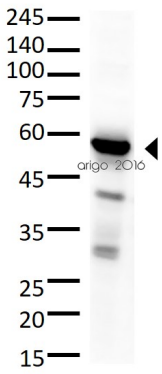
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

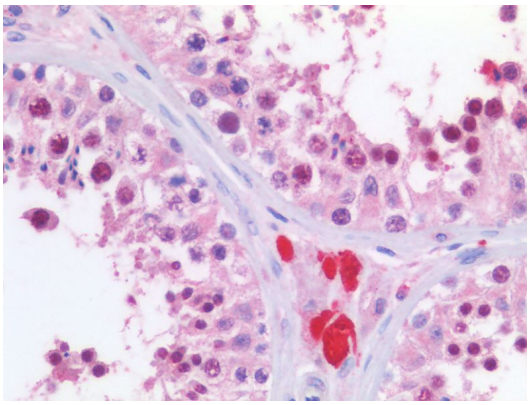
Database links	GeneID: 3838 Human Swiss-port # P52292 Human
Background	The import of proteins into the nucleus is a process that involves at least 2 steps. The first is an energy-independent docking of the protein to the nuclear envelope and the second is an energy-dependent translocation through the nuclear pore complex. Imported proteins require a nuclear localization sequence (NLS) which generally consists of a short region of basic amino acids or 2 such regions spaced about 10 amino acids apart. Proteins involved in the first step of nuclear import have been identified in different systems. These include the Xenopus protein importin and its yeast homolog, SRP1 (a suppressor of certain temperature-sensitive mutations of RNA polymerase I in Saccharomyces cerevisiae), which bind to the NLS. KPNA2 protein interacts with the NLSs of DNA helicase Q1 and SV40 T antigen and may be involved in the nuclear transport of proteins. KPNA2 also may play a role in V(D)J recombination [provided by RefSeq, Jul 2008]
Research Area	Immune System antibody; Signaling Transduction antibody
Calculated Mw	58 kDa

Images



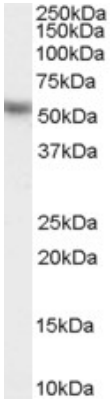
ARG63401 anti-KPNA2 / IPOA1 antibody WB image

Western blot: 30 µg of HeLa cell lysate stained with ARG63401 anti-KPNA2 / IPOA1 antibody at 1:1000 dilution.



ARG63401 anti-KPNA2 / IPOA1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63401 anti-KPNA2 / IPOA1 antibody at 5 µg/ml dilution followed by AP-staining.



ARG63401 anti-KPNA2 / IPOA1 antibody WB image

Western blot: 35 µg of HeLa cell lysate (in RIPA buffer) stained with ARG63401 anti-KPNA2 / IPOA1 antibody at 0.03 µg/ml dilution and incubated at RT for 1 hour.