ARG63985
anti-KPNB1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes KPNB1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	KPNB1
Species	Human
Immunogen	C-RRSKTNKAKTLAT
Conjugation	Un-conjugated
Alternate Names	Pore targeting complex 97 kDa subunit; Importin-90; Importin subunit beta-1; IPOB; Nuclear factor p97; PTAC97; Impnb; Karyopherin subunit beta-1; NTF97; IPO1; IMB1

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

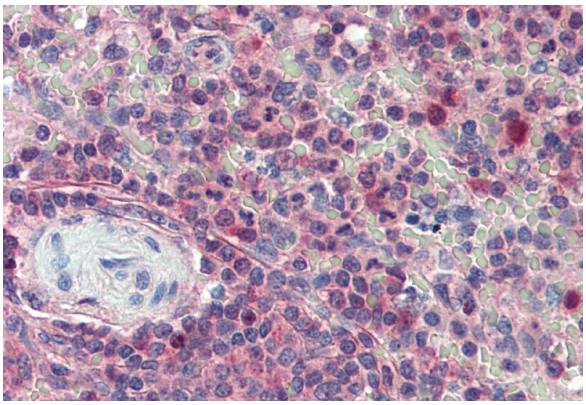
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for 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: 3837 Human Swiss-port # Q14974 Human
Background	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. Interactions between importin beta and the FG repeats of nucleoporins are essential in translocation through the pore complex. The protein encoded by this gene is a member of the importin beta family. [provided by RefSeq, Jul 2008]
Research Area	Controls and Markers antibody; Gene Regulation antibody; Signaling Transduction antibody
Calculated Mw	97 kDa
PTM	Mono-ADP-ribosylated by PARP16.

Images



ARG63985 anti-KPNB1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human spleen tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63985 anti-KPNB1 antibody at 5 µg/ml dilution followed by AP-staining.

ARG63985 anti-KPNB1 antibody WB image

Western Blot: Daudi cell lysate (35 µg protein in RIPA buffer) stained with ARG63985 anti-KPNB1 antibody at 0.03 µg/ml dilution.