

Rabbit KPNB1 Polyclonal Antibody | anti-KPNB1 antibody

KPNB1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284949	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

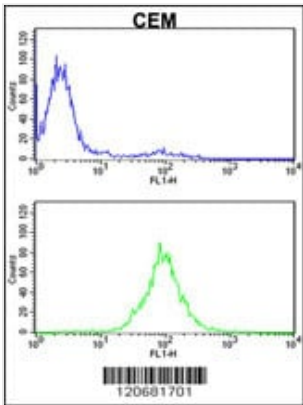
PRODUCT SYNONYMS

KPNB1; Polyclonal Antibody; KPNB1 Antibody (N-term); Importin subunit beta-1; Importin-90; Karyopherin subunit beta-1; Nuclear factor p97; Pore targeting complex 97 kDa subunit; PTAC97; NTF97; anti-KPNB1 antibody

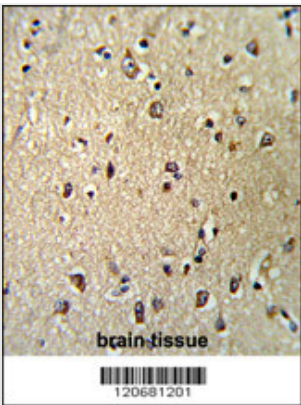
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KPNB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 190-216 amino acids from the N-terminal region of human KPNB1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	190-216
Sequence Length	731
Applicable Applications for anti-KPNB1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

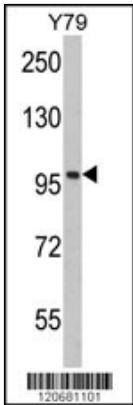
IMAGES



FCM/FACS (Flow Cytometry)
KPNB1 Antibody (N-term) flow cytometric analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with KPNB1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of KPNB1 Antibody (N-term) in Y79 cell line lysates (35ug/lane). KPNB1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-KPNB1 antibody	NTF97 is involved in nuclear protein import, either by associating itself with an adapter protein (for example, importin-alpha subunit which binds to nuclear localization signals (NLS) in cargo substrates), or by acting autonomously as a nuclear transport receptor.
Product Categories/Family for anti-KPNB1 antibody	Signal Transduction
References	Nordgard,S.H., et.al., Genes Chromosomes Cancer 47 (8), 680-696 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	449784879
NCBI GeneID	3837
NCBI Accession #	NP_001263382.1 ; NP_002256.2
NCBI GenBank Nucleotide #	NM_001276453.1
UniProt Accession #	Q14974 ; Q14637 ; Q53XN2 ; Q96J27 ; B7ZAV6 ; D3DTT3
Molecular Weight	97170

NCBI Official Full Name	importin subunit beta-1 isoform 2
NCBI Official Synonym Full Names	karyopherin (importin) beta 1
NCBI Official Symbol	KPNB1
NCBI Official Synonym Symbols	IMB1; IPO1; IPOB; Impnb; NTF97
NCBI Protein Information	importin subunit beta-1
UniProt Protein Name	Importin subunit beta-1
UniProt Gene Name	KPNB1
UniProt Synonym Gene Names	NTF97; PTAC97
UniProt Entry Name	IMB1_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/kpnb1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284949>