

Rabbit KPNB1 Polyclonal Antibody | anti-KPNB1 antibody

KPNB1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201070	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

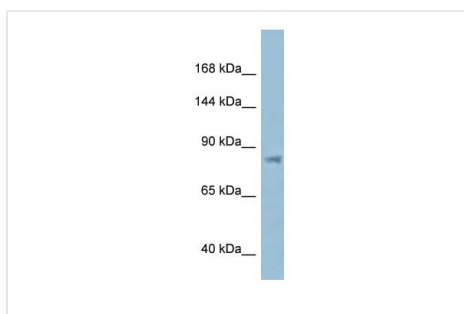
PRODUCT SYNONYMS

KPNB1; Polyclonal Antibody; KPNB1 antibody - N-terminal region; anti-KPNB1 antibody

PRODUCT SPECIFICATIONS

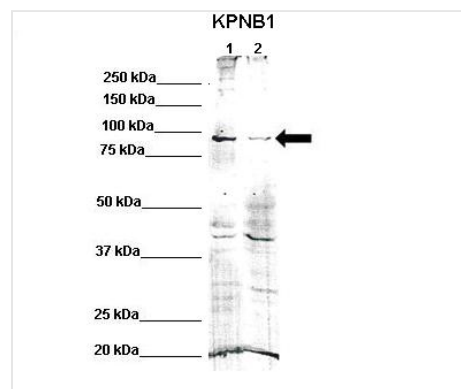
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: EH MKESTLEAIG YICQDIDPEQ LQDKSNEILT AIQGMREE PSNNVKLA
Sequence Length	876
Applicable Applications for anti-KPNB1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-KPNB1 Antibody Titration: 1.0 ug/ml Positive Control: ACHN Whole Cell There is BioGPS gene expression data showing that KPNB1 is expressed in ACHN



WB (Western Blot)

WB Suggested Anti-KPNB1 Antibody Positive Control: Lane 1: 80ug mouse brain extract Lane 2: 80ug rat brain extract Primary Antibody Dilution : 1:500 Secondary Antibody : IRDye 800 CW goat anti-rabbit from Li-COR Bioscience Secondary Antibody Dilution : 1:20,000 Submitted by: Dr. Yuzhi Chen, University of Arkansas for Medical Science

ADDITIONAL INFORMATION

Related Product Information for anti-KPNB1 antibody	This is a rabbit polyclonal antibody against KPNB1. It was validated on Western Blot Target Description: 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.
Product Categories/Family for anti-KPNB1 antibody	Polyclonal; Various

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923142
NCBI GeneID	3837
NCBI Accession #	NP_002256
NCBI GenBank Nucleotide #	NM_002265
UniProt Accession #	Q14974
Molecular Weight	96kDa
NCBI Official Full Name	importin subunit beta-1 isoform 1
NCBI Official Synonym Full Names	karyopherin subunit 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.