Datasheet for ABIN2788708

anti-KPNB1 antibody (N-Term)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	KPNB1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KPNB1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	EHMKESTLEA IGYICQDIDP EQLQDKSNEI LTAIIQGMRK EEPSNNVKLA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against KPNB1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	KPNB1
Alternative Name:	KPNB1 (KPNB1 Products)
Background:	Nucleocytoplasmic transport, a signal- and energy-dependent process, takes place through

Target Details

	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. Alias Symbols: IMB1, IPO1, IPOB, Impnb, MGC2155, MGC2156, MGC2157, NTF97 Protein Interaction Partner: HUWE1, UBC, FUS, SUMO2, SUMO3, STAU1, MDM2, EED, rev, CUL2, NLK, FBXO6, DYRK1B, CLK3, CDK11A, EGFR, SAMHD1, UBD, PTMA, ADRB2, RASSF5, AICDA, UBL4A, VCAM1, TAF10, NOS2, SMAD2, TAF8, TAF3, ITGA4, FN1, ERBB2, CFTR, YWHAE, SMURF1, ECT2, BARD1, MDC1, TP53BP1, Protein Size: 876
Molecular Weight:	96 kDa
Gene ID:	3837
NCBI Accession:	NM_002265, NP_002256
UniProt:	Q14974
Pathways:	Protein targeting to Nucleus

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 876 AA
Restrictions:	For Research Use only

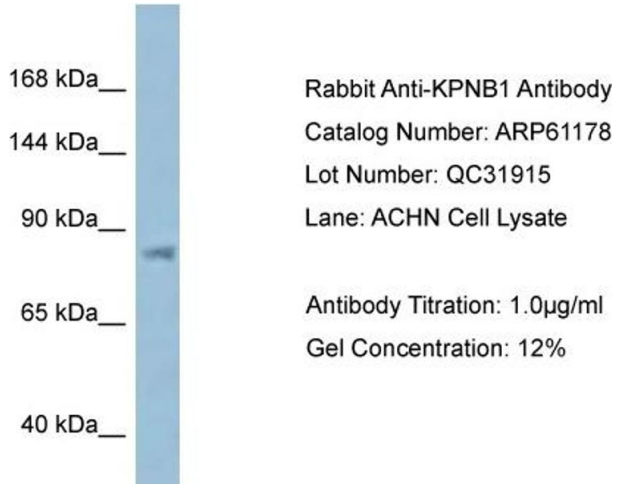
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

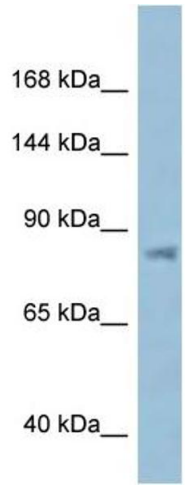
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1.



Western Blotting

Image 2. WB Suggested Anti-KPNB1 AntibodyTitration: 1.0 µg/mL

Positive Control: ACHN Whole Cell

There is BioGPS gene expression data showing that KPNB1 is expressed in ACHN