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## anti-KPNA4 antibody (N-Term)

**Images** 



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Quantity:	100 μL
Target:	KPNA4
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KPNA4 antibody is un-conjugated
Application:	Western Blotting (WB)

## **Product Details**

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human KPNA4
Sequence:	KNKRDEHLLK RRNVPHEDIC EDSDIDGDYR VQNTSLEAIV QNASSDNQGI
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 KPNA4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	KPNA4

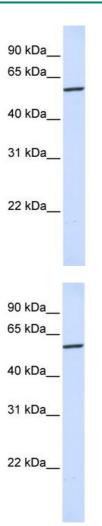
## Target Details

Alternative Name:	KPNA4 (KPNA4 Products)
Background:	The nuclear import of karyophilic proteins is directed by short amino acid sequences termed
	nuclear localization signals (NLSs). Karyopherins, or importins, are cytoplasmic proteins that
	recognize NLSs and dock NLS-containing proteins to the nuclear pore complex. KPNA4 shares
	the sequence similarity with Xenopus importin-alpha and Saccharomyces cerevisiae Srp1. This
	protein is found to interact with the NLSs of DNA helicase Q1 and SV40 T antigen. The nuclear
	import of karyophilic proteins is directed by short amino acid sequences termed nuclear
	localization signals (NLSs). Karyopherins, or importins, are cytoplasmic proteins that recognize
	NLSs and dock NLS-containing proteins to the nuclear pore complex. The protein encoded by
	this gene shares the sequence similarity with Xenopus importin-alpha and Saccharomyces
	cerevisiae Srp1. This protein is found to interact with the NLSs of DNA helicase Q1 and SV40 T
	antigen. Publication Note: This RefSeq record includes a subset of the publications that are
	available for this gene. Please see the Entrez Gene record to access additional publications.
	Alias Symbols: IPOA3, MGC12217, MGC26703, QIP1, SRP3
	Protein Interaction Partner: HNRNPC, CYHR1, MAT2B, NUP50, PLAA, HSF1, UBC, LIN28A, rev,
	KPNA2, ACLY, SOX2, HDAC1, NACC1, CSNK2A1, AICDA, CBX5, APP, CUL3, DAXX, PARD3,
	ELAVL1, EXO1, CDKN1B, CUL4B, Ranbp2, Mki67, CTCF, MYC, TP53, H3F3A, RCC1, RAC1,
	RECQL, TGM2, KPNB1, CSE1L, ARRB2,
	Protein Size: 521
	PTOLEITI SIZE. 3Z I
Molecular Weight:	58 kDa
Molecular Weight: Gene ID:	
<u> </u>	58 kDa
Gene ID:	58 kDa 3840
Gene ID:  NCBI Accession:	58 kDa 3840 NM_002268, NP_002259
Gene ID:  NCBI Accession:  JniProt:	58 kDa  3840  NM_002268, NP_002259  000629
Gene ID:  NCBI Accession:  UniProt:  Pathways:	58 kDa  3840  NM_002268, NP_002259  000629
Gene ID:  NCBI Accession:  UniProt:  Pathways:  Application Details	58 kDa  3840  NM_002268, NP_002259  000629  Protein targeting to Nucleus
Gene ID:  NCBI Accession:  UniProt:  Pathways:  Application Details  Application Notes:	58 kDa  3840  NM_002268, NP_002259  O00629  Protein targeting to Nucleus  Optimal working dilutions should be determined experimentally by the investigator.
Gene ID:  NCBI Accession:  UniProt:  Pathways:  Application Details  Application Notes:  Comment:	58 kDa  3840  NM_002268, NP_002259  O00629  Protein targeting to Nucleus  Optimal working dilutions should be determined experimentally by the investigator.  Antigen size: 521 AA

### Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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. WB Suggested Anti-KPNA4

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control: Hela cell lysate

KPNA4 is supported by BioGPS gene expression data to be

expressed in HeLa

#### **Western Blotting**

Image 2. WB Suggested Anti-KPNA4 Antibody Titration:

0.2-1 ug/ml

**ELISA Titer:** 1:1562500

Positive Control: Hela cell lysate