

Datasheet for ABIN2774081
anti-KPNA4 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

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 EDSIDGDYR 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
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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

Molecular Weight: 58 kDa

Gene ID: 3840

NCBI Accession: [NM_002268](#), [NP_002259](#)

UniProt: [O00629](#)

Pathways: [Protein targeting to Nucleus](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 521 AA

Restrictions: For Research Use only

Handling

Format: Liquid

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 µg/ml

ELISA Titer: 1:1562500

Positive Control: HeLa cell lysate