

Product datasheet for **TA335053**

KPNA4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Mouse, Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-KPNA4 antibody: synthetic peptide directed towards the N terminal of human KPNA4. Synthetic peptide located within the following region: KNKRDEHLLKRRNVPHEDECSDIDGDYRVQNTSLEAIVQNASSDNQGI
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	58 kDa
Gene Name:	karyopherin subunit alpha 4
Database Link:	NP_002259 Entrez Gene 16649 Mouse Entrez Gene 3840 Human O00629



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Background:

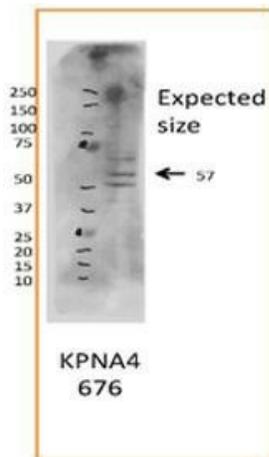
The nuclear import of karyophilic proteins is directed by short amino acid sequences termed nuclear localization signals (NLSs). Karyopherins, or importins, are cytoplasmic proteins that recognize NLSs and dock NLS-containing proteins to the nuclear pore complex. KPNA4 shares the sequence similarity 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.

Synonyms:

IPOA3; QIP1; SRP3

Note:

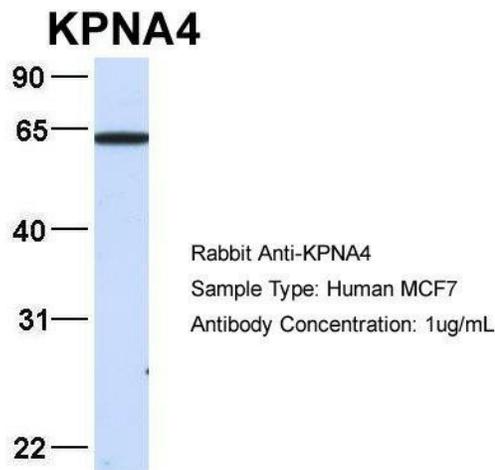
Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%

Product images:

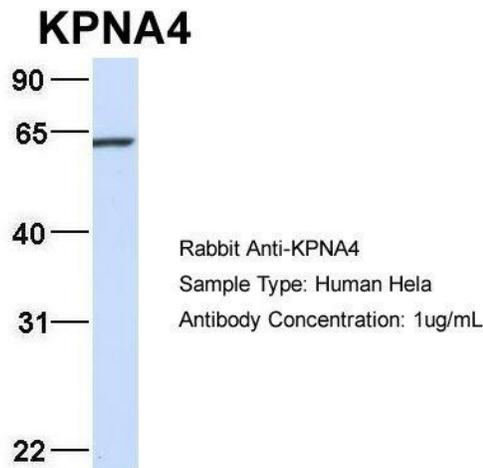
KPNA4 antibody - N-terminal region validated by WB using Neuro 2A Cells at 1: 500.



WB Suggested Anti-KPNA4 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive Control: HeLa cell lysate KPNA4 is supported by BioGPS gene expression data to be expressed in HeLa



Host: Rabbit; Target Name: KPNA4; Sample Tissue: MCF7; Antibody Dilution: 1.0 ug/ml; KPNA4 is supported by BioGPS gene expression data to be expressed in MCF7



Host: Rabbit; Target Name: KPNA4; Sample Tissue: HeLa; Antibody Dilution: 1.0 ug/ml; KPNA4 is supported by BioGPS gene expression data to be expressed in HeLa