

Product datasheet for **TA302525**

KPNA4 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/32,000. WB: 0.2-1 µg/ml. IHC: 3 µg/ml.
Reactivity:	Human, Mouse (Expected from sequence similarity: Rat, Dog, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-NSSANVPTEGFQF, from the C Terminus of the protein sequence according to NP_002259.1.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	61515 Da
Gene Name:	karyopherin subunit alpha 4
Database Link:	NP_002259 Entrez Gene 16649 Mouse Entrez Gene 361959 Rat Entrez Gene 478680 Dog 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. 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.

Synonyms:

IPOA3; QIP1; SRP3

Product images:

TA302525 staining (0.5ug/ml) of Human Testis lysate (RIPA buffer, 35ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.