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Product datasheet for TA363763

KPNA2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human KPNA2
Specificity:	Expected reactivity: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	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.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	58 kDa
Gene Name:	karyopherin subunit alpha 2
Database Link:	<u>NP_001307540.1</u> <u>Entrez Gene 3838 Human</u> <u>P52292</u>



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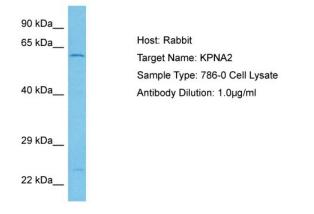
GRIGENE KPNA2 Rabbit Polyclonal Antibody – TA363763

Background:The import of proteins into the nucleus is a process that involves at least 2 steps. The first is
an energy-independent docking of the protein to the nuclear envelope and the second is an
energy-dependent translocation through the nuclear pore complex. Imported proteins
require a nuclear localization sequence (NLS) which generally consists of a short region of
basic amino acids or 2 such regions spaced about 10 amino acids apart. Proteins involved in
the first step of nuclear import have been identified in different systems. These include the
Xenopus protein importin and its yeast homolog, SRP1 (a suppressor of certain temperature-
sensitive mutations of RNA polymerase I in Saccharomyces cerevisiae), which bind to the NLS.
KPNA2 protein interacts with the NLSs of DNA helicase Q1 and SV40 T antigen and may be
involved in the nuclear transport of proteins. KPNA2 also may play a role in V(D)
recombination. Alternative splicing results in multiple transcript variants.

Synonyms:

importin-alpha-P1; IPOA1; pendulin; QIP2; RCH1; SRP1; SRP1-alpha; SRP1alpha

Product images:



Host: Rabbit Target Name: KPNA2 Sample Tissue: Human 786-0 Whole Cell lysates Antibody Dilution: 1ug/ml

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