

Datasheet for ABIN2785822

## anti-KPNA1 antibody (N-Term)



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1 Image

1 Publication

### Overview

Quantity:	100 µL
Target:	KPNA1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KPNA1 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 KPNA1
Sequence:	TTPGKENFRL KSYKNKSLNP DEMRRRREEE GLQLRKQKRE EQLFKRRNVA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against KPNA1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

### Target Details

Target:	KPNA1
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## Target Details

Alternative Name: KPNA1 ([KPNA1 Products](#))

Background: Recombination activating proteins RAG1 and RAG2 regulate and mediate V(D)J recombination, the process by which genes for immunoglobulins and T-cell receptors are generated. Several other ubiquitously expressed proteins are thought to be recruited in the recombination process. Among these are the genes affected in severe combined immune deficiency and genes involved in ds-DNA break repair. KPNA1 interacts with RAG1 and may play a role in V(D)J recombination. Recombination activating proteins RAG1 and RAG2 regulate and mediate V(D)J recombination, the process by which genes for immunoglobulins and T-cell receptors are generated. Several other ubiquitously expressed proteins are thought to be recruited in the recombination process. Among these are the genes affected in severe combined immune deficiency and genes involved in ds-DNA break repair. The protein encoded by this gene interacts with RAG1 and may play a role in V(D)J recombination. 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: IPOA5, NPI-1, RCH2, SRP1

Protein Interaction Partner: UBC, TAF9, CLK4, NUP50, ANP32B, XRN2, rev, TRMT61A, KCTD12, NPM1, GABPA, DCAF6, LIMCH1, HECW2, CLK3, HDAC2, HDAC1, GOPC, HDAC6, CRADD, LMO4, BCAR3, FOSL1, SKP2, ORC4, IL1RAP, AICDA, TP53BP1, KPNB1, RAG1, NOSIP, DCAF8, ANP32A, CAND1, COPS5, CUL1, CUL3, CUL

Protein Size: 538

Molecular Weight: 60 kDa

Gene ID: 3836

NCBI Accession: [NM\\_002264](#), [NP\\_002255](#)

UniProt: [P52294](#)

Pathways: [M Phase](#), [Protein targeting to Nucleus](#)

## Application Details

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

Comment: Antigen size: 538 AA

Restrictions: For Research Use only

## Handling

Format:	Liquid
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.

## Publications

Product cited in:	Suzuki, Yoshitomo-Nakagawa, Maruyama, Suyama, Sugano: "Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library." in: <b>Gene</b> , Vol. 200, Issue 1-2, pp. 149-56, (1997) ( <a href="#">PubMed</a> ).
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## Images



### Western Blotting

#### Image 1. WB Suggested Anti-KPNA1 Antibody Titration:

0.2-1 ug/ml

**ELISA Titer:** 1:62500

**Positive Control:** 721\_B cell lysate