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## Datasheet for ABIN2785822 anti-KPNA1 antibody (N-Term)

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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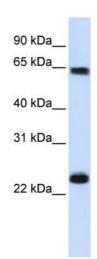
| Target Details      |  |
|---------------------|--|
| Alternative Name:   | KPNA1 (KPNA1 Products)   |
| Background:         | Recombination activating proteins RAG1 and RAG2 regulate and mediate V(D)J recombination       |
|                     | the process by which genes for immunoglobulins and 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

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN2785822 | 09/11/2023 | Copyright antibodies-online. All rights reserved. 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<br>of a full length-enriched and a 5'-end-enriched cDNA library." in: <b>Gene</b> , Vol. 200, Issue 1-2, pp.<br>149-56, (1997) (PubMed). |

#### 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