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Datasheet for ABIN6991419  
**anti-KPNA7 antibody (N-Term)**

### Overview

Quantity:	0.1 mg
Target:	KPNA7
Binding Specificity:	AA 40-90, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KPNA7 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KPNA7 antibody was raised against a 13 amino acid synthetic peptide near the amino terminus of human KPNA7. The immunogen is located within amino acids 40 - 90 of KPNA7.
Isotype:	IgG
Specificity:	KPNA7 antibody is human specific. KPNA7 antibody is predicted to not cross-react with other Importin alpha family members.
Purification:	KPNA7 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	KPNA7
Alternative Name:	KPNA7 ( <a href="#">KPNA7 Products</a> )

## Target Details

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Background:	KPNA7 Antibody: Karyopherin, a cytosolic and heterodimeric protein complex consisting of alpha and beta subunits, is responsible for targeting proteins with nuclear localization signals to the nuclear pore complex (NPC) by an energy requiring, Ran-dependent mechanism. The alpha subunit and imported substrate enter the nucleus and accumulate in the nucleoplasm, while the beta subunit accumulates at the NPC. KPNA7 is most closely related to KPNA2, but unlike KPNA2, KPNA7 primarily localizes to the nucleus. It has been suggested that KPNA7 may play a role in the transport of essential nuclear proteins required for early embryogenesis.
Gene ID:	402569
NCBI Accession:	<a href="#">NP_001139187</a>
UniProt:	<a href="#">A9QM74</a>
Pathways:	<a href="#">Protein targeting to Nucleus</a>

## Application Details

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Application Notes:	KPNA7 antibody can be used for detection of KPNA7 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL.  Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	KPNA7 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	KPNA7 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.