

Datasheet for ABIN6991413
anti-KPNA1 antibody (N-Term)



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Overview

Quantity:	0.1 mg
Target:	KPNA1
Binding Specificity:	AA 30-80, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KPNA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	KPNA1 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human KPNA1. The immunogen is located within amino acids 30 - 80 of KPNA1.
Isotype:	IgG
Purification:	KPNA1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	KPNA1
Alternative Name:	KPNA1 (KPNA1 Products)
Background:	KPNA1 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 by an energy requiring, Ran-dependent mechanism. The alpha

Target Details

subunit and imported substrate enter the nucleus and accumulate in the nucleoplasm, while the beta subunit accumulates at the NPC. KPNA1, also known as importin alpha 5, is the alpha subunit of karyopherin, which forms a complex with importin subunit beta-1 and functions in nuclear protein import as an adapter protein for nuclear receptor KPNB1. It is ubiquitously expressed and polyubiquitinated in the presence of RAG1. KPNA1 interacts with various virus nucleoproteins, including those of Ebola and influenza.

Gene ID:	3836
NCBI Accession:	NP_002255
UniProt:	P52294
Pathways:	M Phase , Protein targeting to Nucleus

Application Details

Application Notes:	KPNA1 antibody can be used for detection of KPNA1 by Western blot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	KPNA1 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:	KPNA1 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.