

Datasheet for ABIN6991418
anti-KPNA6 antibody (N-Term)



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Overview

Quantity:	0.1 mg
Target:	KPNA6
Binding Specificity:	AA 70-120, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KPNA6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	KPNA6 antibody was raised against a 13 amino acid synthetic peptide near the amino terminus of human KPNA6. The immunogen is located within amino acids 70 - 120 of KPNA6.
Isotype:	IgG
Purification:	KPNA6 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	KPNA6
Alternative Name:	KPNA6 (KPNA6 Products)
Background:	KPNA6 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

Target Details

subunit and imported substrate enter the nucleus and accumulate in the nucleoplasm, while the beta subunit accumulates at the NPC. KPNA6 belongs to a subfamily within the KPNA family that also includes IPOA5&6. Down-regulation of KPNA6 by RNAi expression in HeLa cells strongly inhibited cell proliferation, possibly due to blocking the nuclear import of specific factors essential for cell growth and proliferation. KPNA6 also interacts with the Rev protein of HIV-1 and promote its nuclear import.

Gene ID: 23633

UniProt: [O60684](#)

Pathways: [Protein targeting to Nucleus](#)

Application Details

Application Notes: KPNA6 antibody can be used for detection of KPNA6 by Western blot at 1 µg/mL. Antibody can also be used for immunofluorescence starting at 20 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot 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: KPNA6 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: KPNA6 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.