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Datasheet for ABIN6991635 **anti-KPNA5 antibody (N-Term)**

Overview

Quantity:	0.1 mg
Target:	KPNA5
Binding Specificity:	AA 50-100, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KPNA5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	KPNA5 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human KPNA5. The immunogen is located within amino acids 50 - 100 of KPNA5.
Isotype:	IgG
Specificity:	KPNA5 antibody is predicted to not cross-react with other Importin alpha family members.
Purification:	KPNA5 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	KPNA5
Alternative Name:	KPNA5 (KPNA5 Products)
Background:	KPNA5 Antibody: Karyopherin, a cytosolic and heterodimeric protein complex consisting of

Target Details

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. KPNA5 belongs to a subfamily within the KPNA family that also includes KPNA4 and 6 and is thought to be involved in NLS-dependent protein import into the nucleus.

Gene ID: 3841

UniProt: [O15131](#)

Pathways: [Protein targeting to Nucleus](#)

Application Details

Application Notes: KPNA5 antibody can be used for detection of EPAC1 by Western blot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 5 µg/mL. For immunofluorescence start at 5 µg/mL.

Antibody validated: Western Blot in mouse samples, Immunocytochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: KPNA5 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: KPNA5 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.