

Datasheet for ABIN7468511 **anti-KPNA5 antibody**



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Overview

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|--------------|---|
| Quantity: | 100 µL |
| Target: | KPNA5 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This KPNA5 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC) |

Product Details

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|-------------------|---|
| Immunogen: | Recombinant protein encompassing a sequence within the center region of human KPNA5. The exact sequence is proprietary. |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | Purified by antigen-affinity chromatography. |

Target Details

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|-------------------|---|
| Target: | KPNA5 |
| Alternative Name: | karyopherin subunit alpha 5 (KPNA5 Products) |
| Background: | Synonyms: karyopherin subunit alpha 5 , IPOA6 , SRP6 Background: The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is |

Target Details

probably 120 million daltons in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion, larger molecules are transported by an active process. Most nuclear proteins contain short basic amino acid sequences known as nuclear localization signals (NLSs). KPNA5 protein belongs to the importin alpha protein family and is thought to be involved in NLS-dependent protein import into the nucleus. [provided by RefSeq]

Molecular Weight: 60 kDa

Gene ID: 3841

UniProt: [O15131](#)

Pathways: [Protein targeting to Nucleus](#)

Application Details

Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: HepG2

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 1XPBS (pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.