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Datasheet for ABIN1714233 anti-KPNA3 antibody

Overview

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|--------------|---|
| Quantity: | 100 µL |
| Target: | KPNA3 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This KPNA3 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|-------------------|--|
| Immunogen: | KLH conjugated synthetic peptide derived from human SRP1/karyopherin alpha 1 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|--|
| Target: | KPNA3 |
| Alternative Name: | SRP1 (KPNA3 Products) |
| Background: | Synonyms: IMA1_HUMAN; Importin alpha 1 subunit; Importin alpha 5; Importin alpha S1; Importin subunit alpha-1; IPO A5; IPOA 5; IPOA5; Karyopherin alpha 1; Karyopherin alpha 1 subunit; Karyopherin subunit alpha-1; KPNA 1; KPNA1; mSRP 1; mSRP1; NPI 1; NPI-1; NPI1; |

Target Details

Nucleoprotein interactor 1; RAG cohort protein 2; RCH 2; RCH2; Recombination activating gene cohort 2; SRP 1; SRP1 beta; SRP1-beta.

Background: Protein transport across the nucleus is a selective, multi-step process involving several cytoplasmic factors that mediate protein passage through the nuclear pore complex (NPC). Cytoplasmic proteins that contain nuclear localization signals (NLSs) must be recognized as import substrates, dock at the nuclear pore complex and translocate across the nuclear envelope in an ATP-dependent fashion. Karyopherin alpha 1 and karyopherin alpha 6 are widely expressed nuclear import proteins that act as adaptors for karyopherin 1, specifically binding to and guiding NLS-containing proteins to the NPC. Both karyopherin alpha 1 and karyopherin alpha 6 contain one IBB domain and ten ARM repeats through which they convey their protein binding and localization function. Together, karyopherin α1 and karyopherin α6 are responsible for ensuring the nuclear import of NLS-containing substrates

Gene ID: 3838

Pathways: [Protein targeting to Nucleus](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months