

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



[Go to Product page](#)

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. |