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# Product datasheet for AP31241PU-N

## KPNA3 (C-term) Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | ELISA, IHC, WB |
| **Recommended Dilution:** | **ELISA**.<br>**Immunohistochemistry on Paraffin Sections:** 5 µg/ml.<br>**Western Blot:** 1 - 2 µg/ml. |
| **Reactivity:** | Human, Mouse, Rat |
| **Host:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Synthetic peptide - KLH conjugated |
| **Specificity:** | This antibody reacts to the C-term of KPNA3. |
| **Formulation:** | PBS containing 0.02% sodium azide as preservative<br>State: Purified<br>State: Liquid purified Ig fraction |
| **Concentration:** | lot specific |
| **Purification:** | Immunoaffinity chromatography |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store the antibody undiluted at 2-8°C. |
| **Stability:** | Shelf life: one year from despatch. |
| **Gene Name:** | karyopherin subunit alpha 3 |
| **Database Link:** | Entrez Gene 16648 MouseEntrez Gene 361055 RatEntrez Gene 3839 Human O00505 |

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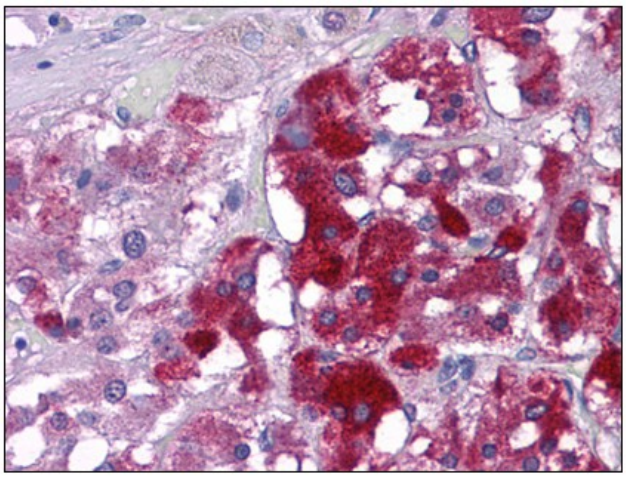
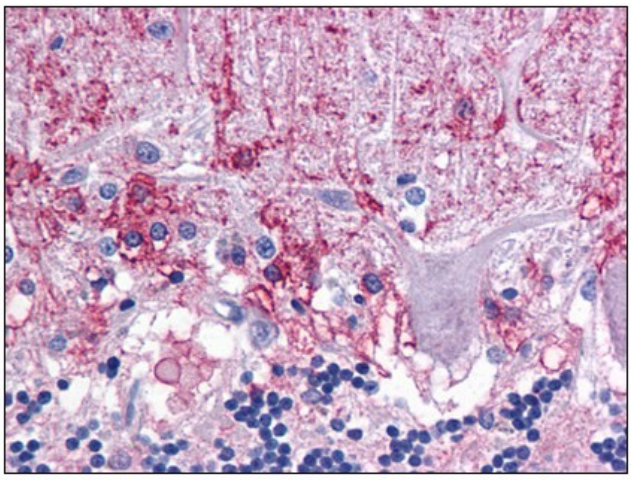
**Background:** The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 million daltons in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore by 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). KPNA3, encodes a protein similar to certain nuclear transport proteins of Xenopus and human. The predicted amino acid sequence shows similarity to Xenopus importin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins suggests that karyopherin alpha-3 may be involved in the nuclear transport system.

**Synonyms:** Karyopherin subunit alpha-3, SRP1-gamma, Importin alpha Q2, QIP2

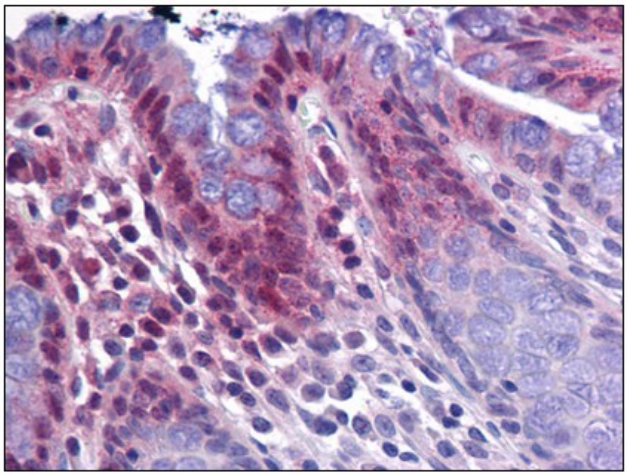
## Product images:



Human Adrenal: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Brain, Cerebellum: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Colon: Formalin-Fixed, Paraffin-Embedded (FFPE)