OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AP31241PU-N Polyclonal Antibody to KPNA3 / Importin alpha-3 (C-term) - Purified

Alternate names: Importin alpha Q2, Karyopherin subunit alpha-3, QIP2, SRP1-gamma

Quantity: 50 µg

Concentration: 1 mg/ml

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.

Uniprot ID: O00505

NCBI: NP_002258

GeneID: 3839

Host: Rabbit

Immunogen: Synthetic peptide - KLH conjugated

Format:
State: Liquid purified Ig fraction
Purification: Immunoaffinity chromatography
Buffer System: PBS containing 0.02% sodium azide as preservative

Applications:
ELISA.
Immunohistochemistry on Paraffin Sections: 5 µg/ml.
Western Blot: 1 - 2 µg/ml.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

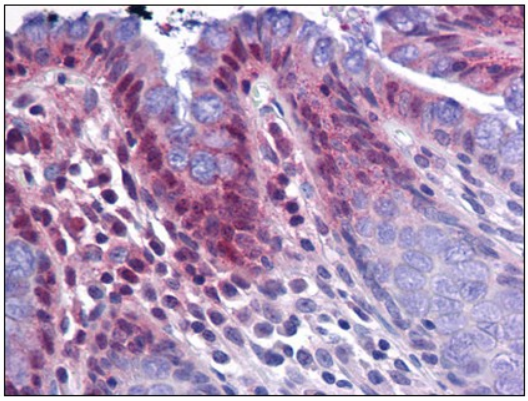
Specificity: This antibody reacts to the C-term of KPNA3.

Species Reactivity:
Tested: Human.
Expected from sequence similarity: Mouse and Rat.

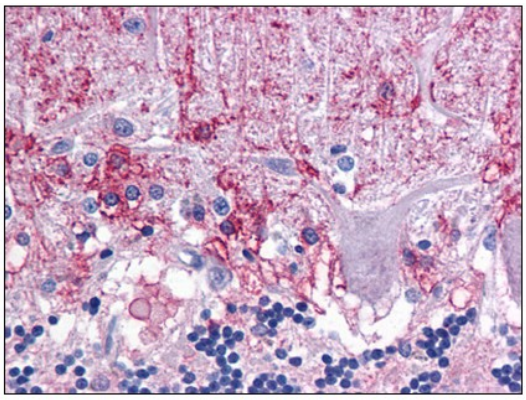
Storage:
Store the antibody undiluted at 2-8°C.
Shelf life: one year from despatch.

Pictures:

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



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



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