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Datasheet for 600-401-CG3

KPNA5 Antibody

Overview

Description:	Anti-KPNA5 (RABBIT) Antibody - 600-401-CG3
Item No.:	600-401-CG3
Size:	100 µg
Applications:	ELISA, IHC
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Karyopherin, a cytosolic and heterodimeric protein complex consisting of 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.
Synonyms:	KPNA5 Antibody, SRP6, IPOA6, Importin subunit alpha-6, Karyopherin subunit alpha-5
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	KPNA5
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-KPNA5 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the N-terminus of human KPNA5.

Purity/Specificity:	Anti-KPNA5 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. KPNA5 antibody is human specific. KPNA5 antibody is predicted to not cross-react with other Importin alpha family members.
Relevant Links:	• UniProtKB - O15131 • GeneID - 3841 • NCBI - CAH71948

Application Details

Tested Applications:	ELISA, IHC
Application Note:	Anti-KPNA5 Antibody has been tested for use in ELISA and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 60 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
IHC:	5 µg/mL

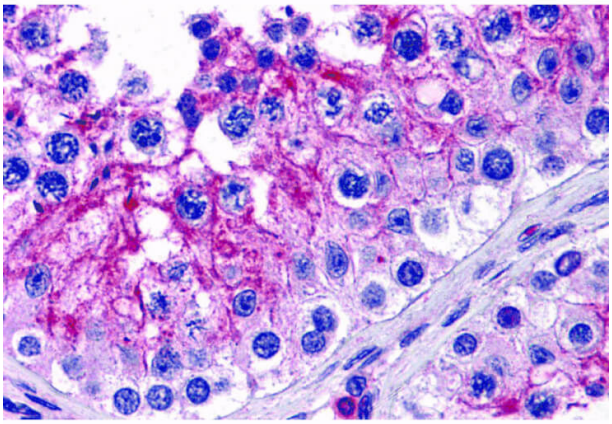
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Immunocytochemistry of KPNA5 antibody. Tissue: Human testis tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: KPNA5 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: KPNA5 is cytoplasmic. Staining: KPNA5 as precipitated purple signal with blue nuclear counterstain.

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