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Datasheet for 600-401-CG6

KPNA7 Antibody

Overview

Description:	Anti-KPNA7 (RABBIT) Antibody - 600-401-CG6
Item No.:	600-401-CG6
Size:	100 µg
Applications:	ELISA, IHC, WB
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. KPNA7 is most closely related to KPNA2, but unlike KPNA2, KPNA7 primarily localizes to the nucleus. It has been suggested that KPNA7 may play a role in the transport of essential nuclear proteins required for early embryogenesis.
Synonyms:	KPNA7 Antibody, Importin subunit alpha-8, Karyopherin subunit alpha-7
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	KPNA7
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-KPNA7 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 13 amino acid synthetic peptide near the N-terminus of human KPNA7.

Purity/Specificity:	Anti-KPNA7 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. KPNA7 antibody is human specific. KPNA7 antibody is predicted to not cross-react with other Importin alpha family members.
Relevant Links:	• UniProtKB - A9QM74 • GeneID - 402569 • NCBI - NP_001139187

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-KPNA7 Antibody has been tested for use in ELISA, western blot, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 57 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:	1:5000 - 1:10000
IHC:	5 µg/mL
WB:	0.5-1 µg/mL

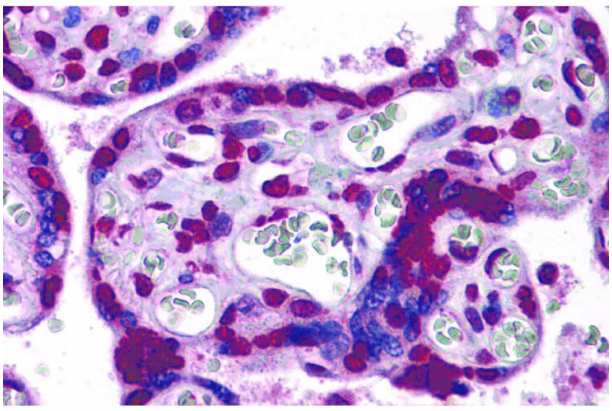
Formulation

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
Immunohistochemistry of KPNA7 antibody. Tissue: Human placenta tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: KPNA7 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: KPNA7 is nuclear. Staining: KPNA7 as precipitated blue signal with red nuclear counterstain.

Disclaimer

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