

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

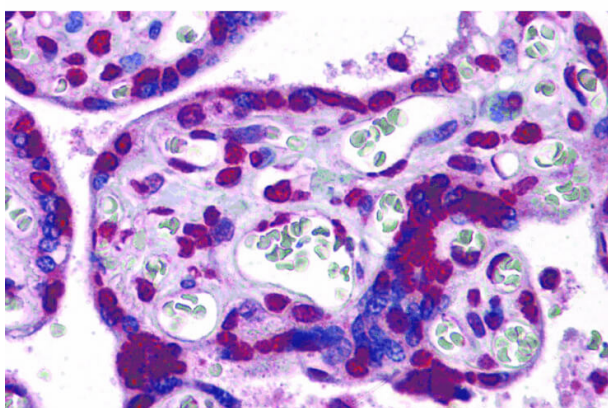
Shipping & Handling

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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.