

Datasheet for 600-401-AH6**CENPW Antibody****Overview**

Description:	Anti-CENPW (RABBIT) Antibody - 600-401-AH6
Item No.:	600-401-AH6
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	CENPW was initially identified as a gene that was upregulated in multiple cancers, and whose overexpression in mouse fibroblast cells gave rise to distinct cancer-specific phenotypes. It was later found to be a nuclear protein that associated with CENPT, a component of CENPA nucleosome complex in the centromere, and is required for proper kinetochore function. CENPW also specifically interacts with the nucleolar phosphoprotein nucleophosmin, also known as B23. It has been suggested that nucleophosmin functions in the assembly of the kinetochore by interacting with CENPW during interphase. Overexpression of CENPW in the SKOV-3 human ovarian cancer cell line as well as in the zebrafish embryo led to apoptosis, suggesting that high levels of CENPW induces apoptotic cell death.
Synonyms:	CENPW Antibody, CUG2, CENP-W, C6orf173, CUG2, Centromere protein W, Cancer-up-regulated gene 2 protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CENPW
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-CENPW antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the N-terminus of human CENPW.
Purity/Specificity:	Anti-CENPW Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms of CENPW are known to exist; this antibody will detect all three isoforms.
Relevant Links:	• UniProtKB - Q5EE01 • GeneID - 387103 • NCBI - NP_001012525

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-CENPW Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 10 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
WB:	0.5-1 µg/mL

Formulation

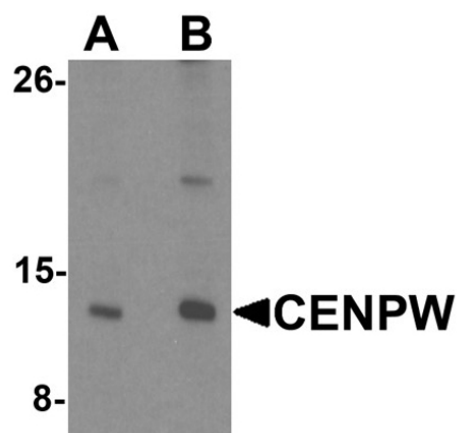
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

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



Western Blot

Western blot analysis of CENPW.

Load: HeLa cell lysate.

Primary Antibody: CENPW antibody at (A) 0.5 and (B) 1 μ g/mL.

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.