BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-Centromere protein W CENPW Antibody

**Catalog Number:** A07351

## About CENPW

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.

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## Overview

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| Product Name | Anti-Centromere protein W CENPW Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-Centromere protein W CENPW Antibody (Catalog # A07351). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. |
| Application | ELISA, WB |
| Clonality | Polyclonal |
| Formulation | CENPW Antibody is supplied in PBS containing ≤0.09% sodium azide. |
| Storage Instructions | CENPW antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |
| Host | Rabbit |
| Uniprot ID | Q5EE01 |

## Technical Details

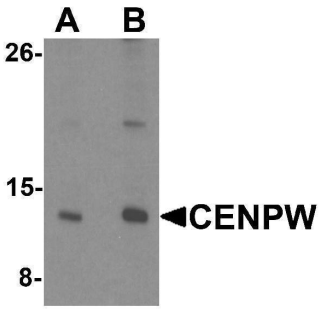
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| Immunogen | CENPW antibody was raised against a 16 amino acid synthetic peptide near the amino terminus of human CENPW. The immunogen is located within the first 50 amino acids of CENPW. |
| Predicted Reactive Species | Mouse |

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| Cross Reactivity | At least three isoforms of CENPW are known to exist; this antibody will detect all three isoforms. |
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | CENPW Antibody is affinity chromatography purified via peptide column. |
| Suggested Dilutions | CENPW antibody can be used for detection of CENPW by Western blot at 0.5 - 1 ug/mL. Antibody validated: Western Blot in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher. |

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# Anti-Centromere protein W CENPW Antibody (A07351) Images




Western blot analysis of CENPW in HeLa cell lysate lysate with CENPW antibody at (A) 0.5 and (B) 1 ug/mL.

Anti-Centromere protein W CENPW Antibody

For Research Use Only. Not for use in diagnostic procedures.