

## CENPA antibody [3-19]

**Cat. No. GTX13939**

|                     |   |
|---------------------|---|
| <b>Host</b>         | Mouse   |
| <b>Clonality</b>    | Monoclonal  |
| <b>Isotype</b>      | IgG1  |
| <b>Applications</b> | WB, ICC/IF, IHC-P, ChIP assay, IHC, Neutralizing/Inhibition |
| <b>Reactivity</b>   | Human, Chicken, Caenorhabditis elegans                      |

References ( 34 )

★★★★★ Review ( 1 )

Package  
50 µg

### Applications

#### Application Note

ICC: Use at a concentration of 10 µg/ml. IHC: Use at a concentration of 5 µg/ml. For paraffin embedded sections, heat treatment may be necessary. Microwave sections 2 times for 10 minutes each in citrate buffer (pH 6.5). WB: Use at a concentration of 1 µg/ml. Detects a band of approximately 18 kDa (predicted molecular weight: 16 kDa). Optimal dilutions/concentrations should be determined by the end user. User review: This antibody is great for immunofluorescence on human cells (primary fibroblasts and transformed cell lines such as HeLa, HT1080, A549, H1299). Works well with various fixation conditions, including 1-4% paraformaldehyde (PFA), -20C methanol, 2% PFA followed by -20C methanol, and on unfixed preparations. We routinely use it at a dilution of 1:200-1:400.

**Calculated MW** 16 kDa. ( [Note](#) )

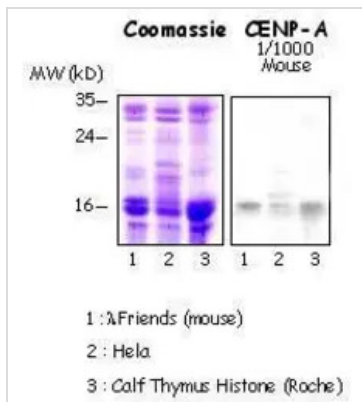
### Properties

|                      |  |
|----------------------|--|
| <b>Form</b>          | Liquid   |
| <b>Buffer</b>        | PBS, 50% Glycerol  |
| <b>Preservative</b>  | No preservatives   |
| <b>Storage</b>       | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.   |
| <b>Concentration</b> | 1 mg/ml (Please refer to the vial label for the specific concentration.)   |
| <b>Immunogen</b>     | Synthetic peptide: PRRRSRKPEAPRRRSPS, corresponding to amino acids 3-19 of Human CENP A.   |
| <b>Purification</b>  | Protein A purified<br>This antibody was purified using Protein A affinity chromatography.  |
| <b>Conjugation</b>   | Unconjugated   |
| <b>Note</b>          | For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.<br><br>Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product. |



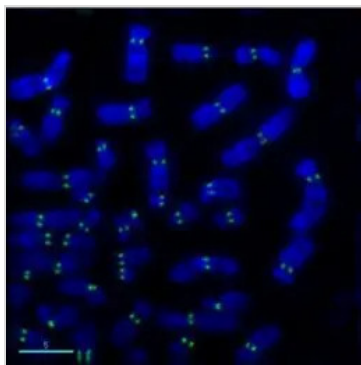
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DATA IMAGES



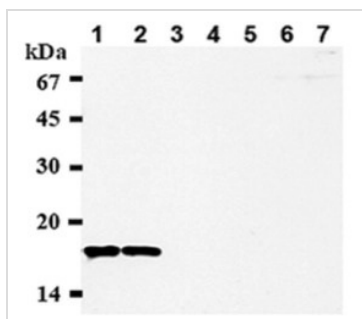
**GTX13939 WB Image**

Hela cells (human), Friend cells (mouse) and calf thymus (Roche). 5 g acid-extracted histones were loaded per lane. Images taken following 5 min exposure. 1:1000 dilution. Lane 1: Friend cells (mouse); Lane 2: Hela cells (human); Lane 3: Calf thymus. This



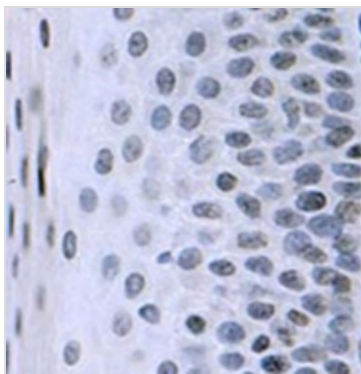
**GTX13939 ICC/IF Image**

This picture shows human metaphase chromosomes detected with GTX13939 as primary antibody and AF488 goat anti-mouse secondary antibody (green). This image was kindly supplied as part of the review submitted by Professor Beth A. Sullivan, Boston University



**GTX13939 WB Image**

Western blot analysis of Jurkat (1), Raji (2), PC12 (3), Rat-1 (4), WR19L (5), C2C12 (6), and NIH3T3 (7) cell lysates probed with CENP-A mAb



**GTX13939 IHC-P Image**

Immunohistochemical detection of CENP-A on paraffin embedded section of a squamous epithelium of human tonsil.



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