

**Product Name: HP1 gamma (6D8) Mouse Monoclonal Antibody**  
**Catalog #: AMM03608**

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## Summary

|                        |                                           |
|------------------------|-------------------------------------------|
| <b>Production Name</b> | HP1 gamma (6D8) Mouse Monoclonal Antibody |
| <b>Description</b>     | Mouse Monoclonal Antibody                 |
| <b>Host</b>            | Mouse                                     |
| <b>Application</b>     | WB,IHC-P                                  |
| <b>Reactivity</b>      | Human,Rat,Mouse                           |

## Performance

|                     |                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                                   |
| <b>Modification</b> | Unmodified                                                                                     |
| <b>Isotype</b>      | IgG1                                                                                           |
| <b>Clonality</b>    | Monoclonal                                                                                     |
| <b>Form</b>         | Liquid                                                                                         |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.       |
| <b>Buffer</b>       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3. |
| <b>Purification</b> | Affinity Purification                                                                          |

## Immunogen

|                          |                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | CBX3                                                                                                            |
| <b>Alternative Names</b> | CBX3; Chromobox protein homolog 3; HECH; Heterochromatin protein 1 homolog gamma; HP1 gamma; Modifier 2 protein |
| <b>Gene ID</b>           | 11335                                                                                                           |
| <b>SwissProt ID</b>      | Q13185.                                                                                                         |

## Application

|                         |                                            |
|-------------------------|--------------------------------------------|
| <b>Dilution Ratio</b>   | WB: 1:500-1:1000 IHC: 1:50-1:100           |
| <b>Molecular Weight</b> | Calculated MW: 21 kDa; Observed MW: 24 kDa |

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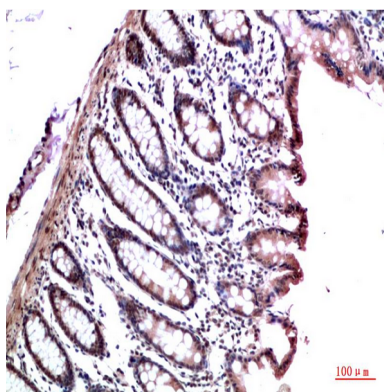
## Background

Recognizes and binds histone H3 tails methylated at 'Lys-9', leading to epigenetic repression. May contribute to the association of the heterochromatin with the inner nuclear membrane through its interaction with lamin B receptor (LBR). Involved in the formation of functional kinetochore through interaction with MIS12 complex proteins.

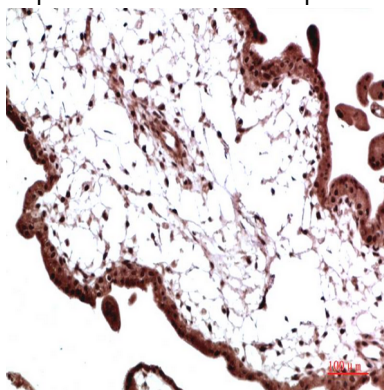
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



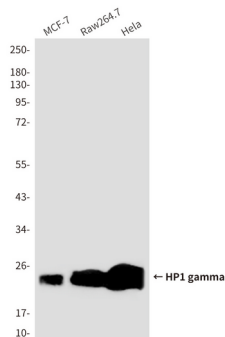
Immunohistochemistry analysis of paraffin-embedded Human Colon Carcinoma Tissue using HP1 gamma (6D8) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



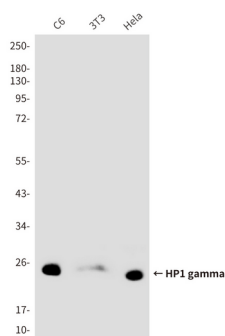
Immunohistochemical analysis of paraffin-embedded Human tonsils using HP1 gamma (6D8) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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Western blot analysis of HP1 gamma (6D8) in MCF-7, Raw264.7, HeLa lysates using HP1 gamma (6D8) antibody



Western blot analysis of HP1 gamma (6D8) in CHO-K1, rat brain, C6, 3T3, HeLa lysates using HP1 gamma (6D8) antibody.

## Note

For research use only.