

## HP1 alpha (1E8) monoclonal antibody

Catalog: MB3305

Host: Mouse

Reactivity: Human,Rat,Mouse

### BackGround:

Component of heterochromatin that recognizes and binds histone H3 tails methylated at 'Lys-9' (H3K9me), leading to epigenetic repression. In contrast, it is excluded from chromatin when 'Tyr-41' of histone H3 is phosphorylated (H3Y41ph). Can interact with lamin-B receptor (LBR). This interaction can contribute to the association of the heterochromatin with the inner nuclear membrane. Involved in the formation of functional kinetochore through interaction with MIS12 complex proteins.

### Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

### Molecular Weight:

Calculated MW: 22 kDa; Observed MW: 22 kDa

### Swiss-Prot:

P45973

### Purification&Purity:

Affinity Purified

### Applications:

WB: 1/500-1/1000 IHC: 1/50-1/100

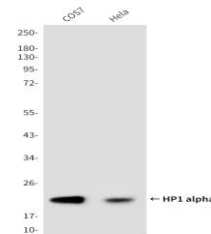
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

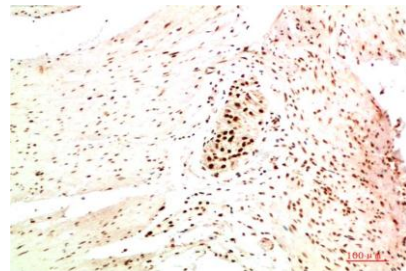
### Isotype:

IgG1

### DATA:



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



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

Immunohistochemistry analysis of paraffin-embedded Human Placenta Tissue using HP1 alpha antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Western blot analysis of HP1 alpha in COS7, HeLa lysates using HP1 alpha antibody.

### Note:

For research use only, not for use in diagnostic procedure.

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogol.com](mailto:info@biogol.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151