

**HP1 alpha monoclonal antibody**

Catalog: MB11056

Host: Rabbit

Reactivity: Human, Mouse, Rat

**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:**

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA

**Molecular Weight:**

Calculated MW: 22 kDa; Observed MW: 22 kDa

**Swiss-Prot:**

P45973

**Purification&Purity:**

Affinity Purified

**Applications:**

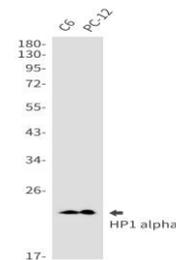
WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200  
IP: 1/20

**Storage&Stability:**

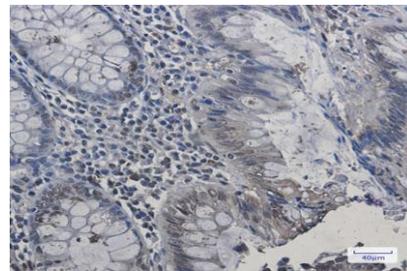
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Isotype:**

IgG

**DATA:**

Western blot analysis of HP1 alpha in C6, PC-12 lysates using HP1 alpha antibody.



Western blot analysis of HP1 alpha in 3T3, HeLa lysates using HP1 alpha antibody.

Immunocytochemistry analysis of HP1 alpha in HeLa using HP1 alpha antibody, and DAPI

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

**Note:**

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

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