

HP1 GAMMA (5G10) MOUSE MAB

Cat.#: N261398

Product Name: Anti-HP1 gamma (5G10) Mouse Monoclonal Antibody

Synonyms: CBX3; Chromobox protein homolog 3; HECH; Heterochromatin protein 1 homolog gamma; HP1 gamma; Modifier 2 protein

UNIPROT ID: Q13185

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.

Immunogen: Purified recombinant human HP1-gamma protein fragments expressed in E.coli.

Applications: WB,IHC-F,IHC-P,ICC/IF,IP

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

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 5G10-F7-A12

MW: Calculated MW: 21 kDa; Observed MW: 21 kDa

Isotype: IgG1

Purification: Affinity Purified

Species Reactivity: Mouse,Human,Monkey,Hamster,Rat

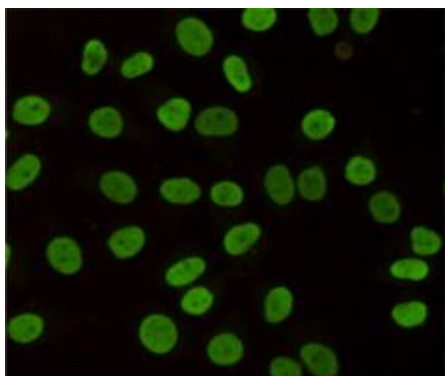
Conjugation: Unconjugated

Modification: Unmodified

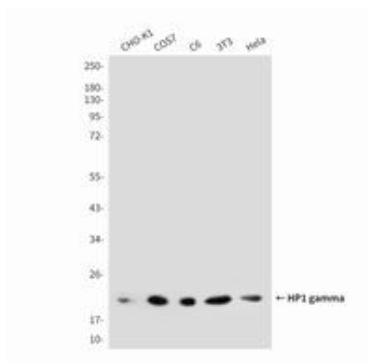
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Epigenetics and Nuclear Signaling

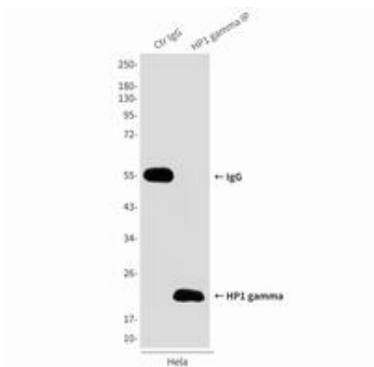
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



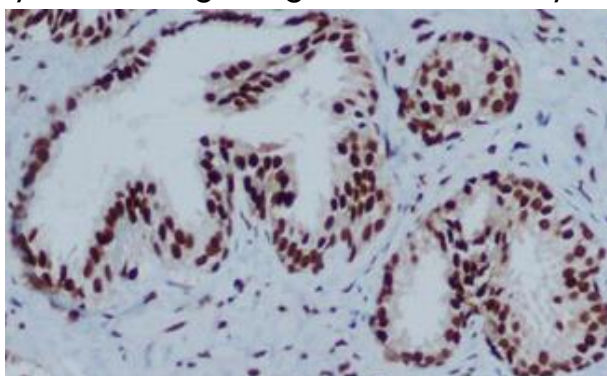
Immunocytochemistry analysis of HPI gamma (5G10) in HeLa using HPI gamma antibody.



Western blot analysis of HPI gamma in HeLa, 3T3, C6, COS7 and CHO-K1 lysates using HPI gamma antibody.



Immunoprecipitation analysis of HPI gamma (5G10) in HeLa lysates using HPI gamma antibody.



Immunohistochemistry analysis of paraffin-embedded Prostate Cancer using HPI gamma antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.