

Mouse HP1-gamma Monoclonal Antibody | anti-HP1-gamma antibody

HP1-gamma Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA300833	Mouse	Mouse, Human, Monkey, Hamster, Rat	Immunohistochemistry, Immunoprecipitation, Immunocytochemistry, Western Blot

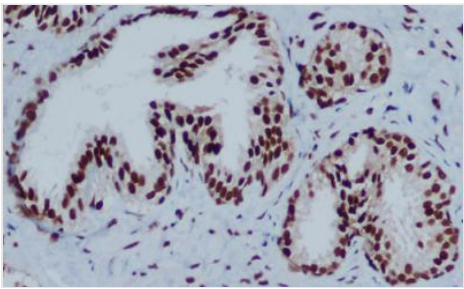
PRODUCT SYNONYMS

HP1-gamma; Monoclonal Antibody; HP1-gamma Monoclonal Antibody; CBX 3; CBX3; CBX3_HUMAN; Chromobox homolog 3 (HP1 gamma homolog; Drosophila); Chromobox homolog 3; Chromobox protein homolog 3; GAMMA; HECH; Heterochromatin like protein 1; Heterochromatin protein 1 homolog gamma; Heterochromatin protein HP1 gamma; anti-HP1-gamma antibody

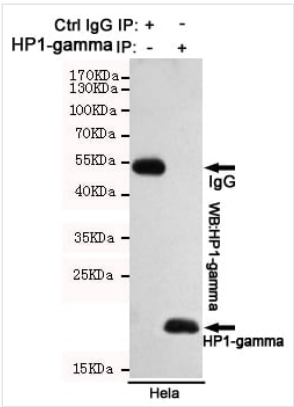
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse, Human, Monkey, Hamster, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5G10-F7-A12
Specificity	This antibody detects endogenous levels of HP1-gamma and does not cross-react with related proteins.
Purity/Purification	Affinity purified
Form/Format	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Sequence Length	183
Applicable Applications for anti-HP1-gamma antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Purified recombinant human HP1-gamma protein fragments expressed in E Coli.
Target Name	HP1-gamma
Preparation and Storage	Store at -20 degree C

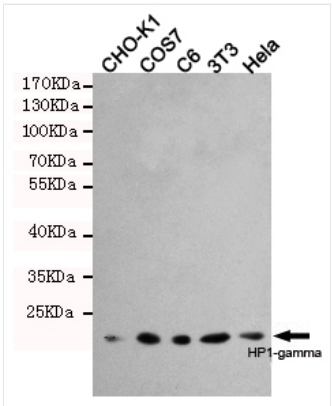
IMAGES



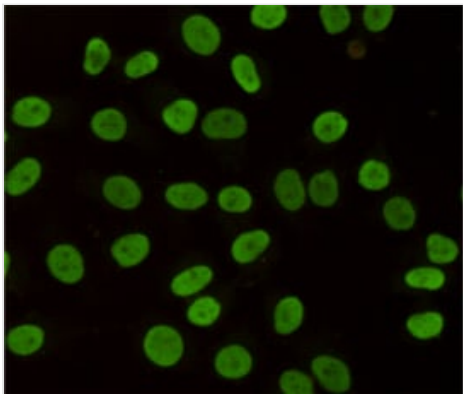
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded Prostate Cancer using HP1-gamma Mouse mAb (1/200 dilution).Antigen retrieval was performed by pressure cooking in citrate buffer (pH 6.0).



IP (Immunoprecipitation)
Immunoprecipitation analysis of HeLa cell lysates using HP1-gamma antibody.



WB (Western Blot)
Western blot detection of HP1-gamma in HeLa,3T3,C6,COS7 and CHO-K1 cell lysates using HP1-gamma antibody (1:1000 diluted).Predicted band size:22KDa.Observed band size:22KDa.



ICC (Immunocytochemistry)
Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-HP1-gamma antibody (dilution 1:200).

ADDITIONAL INFORMATION

Related Product Information for anti-HP1-gamma antibody	Seems to be involved in transcriptional silencing in heterochromatin-like complexes. 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.
Product Categories/Family for anti-HP1-gamma antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	15082258
NCBI GeneID	11335
NCBI Accession #	NP_009207.2
NCBI GenBank Nucleotide #	NM_007276.4
UniProt Accession #	Q13185; Q96CD7; Q99409; Q9BVS3; Q9P0Z6
Molecular Weight	20,811 Da
NCBI Official Full Name	chromobox protein homolog 3
NCBI Official Synonym Full Names	chromobox homolog 3

NCBI Official Symbol	CBX3
NCBI Official Synonym Symbols	HECH; HP1-GAMMA; HP1Hs-gamma
NCBI Protein Information	chromobox protein homolog 3
UniProt Protein Name	Chromobox protein homolog 3
UniProt Gene Name	CBX3
UniProt Synonym Gene Names	HP1 gamma
UniProt Entry Name	CBX3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hp1-gamma-antibody-clone-5g10-f7-a12-immunohistochemistry-immunoprecipitation-immunocytochemistry-western-blot-elisa/300833>