

Mouse anti-Human, Mouse HP1-gamma Monoclonal Antibody | anti-CBX3 antibody

HP1-gamma Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290527	Mouse	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Immunocytochemistry, Western Blot

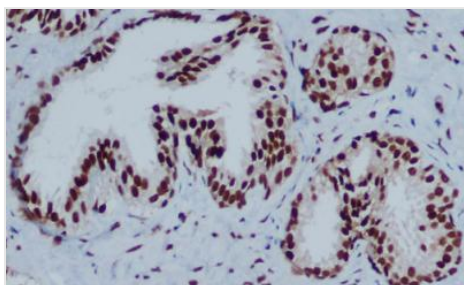
PRODUCT SYNONYMS

HP1-gamma; Monoclonal Antibody; HP1-gamma Antibody; Purified Mouse Monoclonal Antibody (Mab); 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; HP1 gamma; HP1 gamma homolog; HP1Hs gamma; Modifier 2 protein.; anti-CBX3 antibody

PRODUCT SPECIFICATIONS

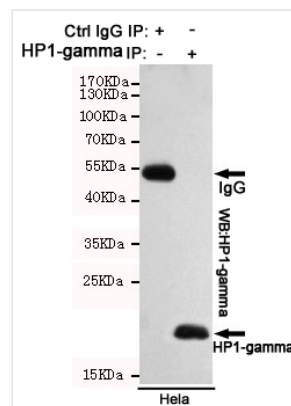
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Form/Format	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Sequence Length	183
Applicable Applications for anti-CBX3 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot)
Antigen Source	Human
Antigen Type	Recombinant Protein
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



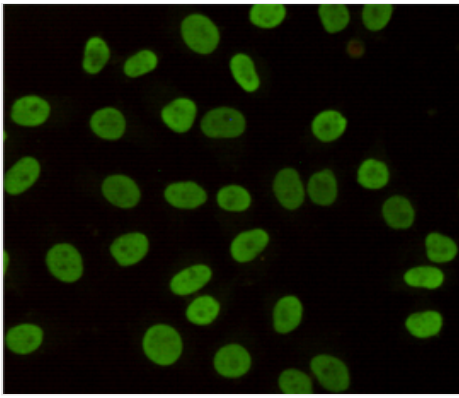
IHC (Immunohistochemistry)

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).



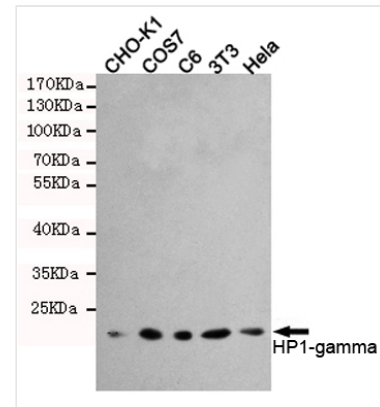
IP (Immunoprecipitation)

Immunoprecipitation analysis of HeLa cell lysates using HP1-gamma mouse mAb.



ICC (Immunocytochemistry)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-CBX3 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. Contributes to the conversion of local chromatin to a heterochromatin-like repressive state through H3 'Lys-9' trimethylation, mediates the recruitment of the methyltransferases SUV39H1 and/or SUV39H2 by the PER complex to the E-box elements of the circadian target genes such as PER2 itself or PER1.
References	Ye Q., et al. J. Biol. Chem. 271:14653-14656(1996). Ye Q., et al. Submitted (JAN-1997) to the EMBL/GenBank/DDBJ databases. Koike N., et al. FEBS Lett. 467:17-21(2000). Chen J.H., et al. Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases. Lubec G., et al. Submitted (MAR-2007) to UniProtKB.

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	20811
NCBI Official Full Name	chromobox protein homolog 3
NCBI Official Synonym Full Names	chromobox 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-immunohistochemistry-immunoprecipitation-immunocytochemistry-western-blot-elisa/290527>