

**HP1 gamma Rabbit mAb**  
**Catalog # AP75571****Specification**

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**HP1 gamma Rabbit mAb - Product Information**

Application	WB, IHC-P, IP
Primary Accession	<a href="#">Q13185</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	20811

**HP1 gamma Rabbit mAb - Additional Information****Gene ID** 11335**Other Names**  
CBX3**Dilution**  
WB~~1/500-1/1000  
IHC-P~~N/A  
IP~~N/A**Format**  
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**  
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**HP1 gamma Rabbit mAb - Protein Information****Name** CBX3

**Function**  
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. Mediates the recruitment of NIPBL to sites of DNA damage at double-strand breaks (DSBs) (PubMed:<a href="http://www.uniprot.org/citations/28167679" target="\_blank">28167679</a>).

**Cellular Location**  
Nucleus. Note=Associates with euchromatin and is largely excluded from constitutive

heterochromatin. May be associated with microtubules and mitotic poles during mitosis (Potential).

### HP1 gamma Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### HP1 gamma Rabbit mAb - Images



