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HP1 gamma Rabbit pAb
Catalog # AP53580

Specification

HP1 gamma Rabbit pAb - Product Information

Application	**WB**
Primary Accession	P23198
Reactivity	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal Antibody**
Calculated MW	**20855**

HP1 gamma Rabbit pAb - Additional Information

Other Names
HECH; HP1-GAMMA; HP1Hs-gamma

Dilution
WB~~1:1000

HP1 gamma Rabbit pAb - Protein Information

Name Cbx3

Function
Component of heterochromatin. Recognizes and binds histone H3 tails methylated at 'Lys-9', leading to epigenetic repression. Probably involved in the repression of many genes located in euchromatin, such as E2F1, MYC and CDC25A. 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 (PubMed:24413057). Mediates the recruitment of NIPBL to sites of DNA damage at double-strand breaks (DSBs) (By similarity).

Cellular Location
Nucleus. Note=May be associated with microtubules and mitotic poles during mitosis (Potential). Associates with euchromatin and is largely excluded from constitutive heterochromatin.

HP1 gamma Rabbit pAb - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot

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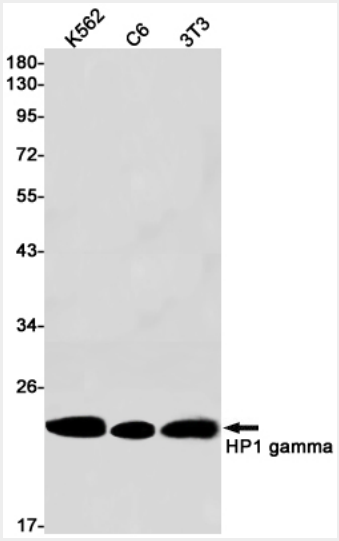
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HP1 gamma Rabbit pAb - Images



Western blot detection of HP1 gamma in K562,C6,3T3 cell lysates using HP1 gamma Rabbit pAb(1:1000 diluted).Predicted band size:21kDa.Observed band size:21kDa.

HP1 gamma Rabbit pAb - Background

Swiss-Prot Acc.P23198.Component of heterochromatin. Recognizes and binds histone H3 tails methylated at 'Lys-9', leading to epigenetic repression. Probably involved in the repression of many genes located in euchromatin, such as E2F1, MYC and CDC25A. 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 (PubMed:24413057). Mediates the recruitement of NIPBL to sites of DNA damage at double-strand breaks (DSBs) .