

HP1 γ (Phospho Ser83) Rabbit pAb

CatalogNo: YP1355

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 24kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human HP1 γ (Ser83)

Specificity This antibody detects endogenous levels of Human Mouse Rat HP1 γ (phospho-Ser83)

Target Information

Gene name CBX3

Protein Name HP1γ (Ser83)

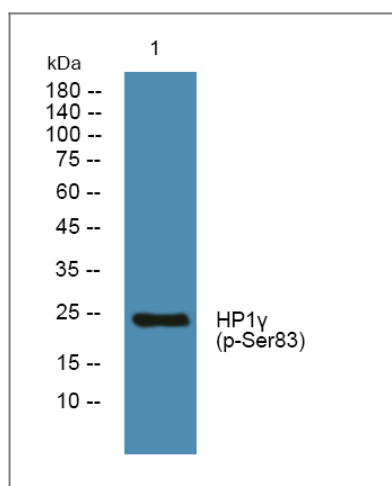
Organism	Gene ID	UniProt ID
Human	11335;	Q13185;
Mouse		P23198;

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

Tissue specificity Bone marrow ,Brain ,Cajal-Retzius cell ,Epithelium ,Liver ,Placenta ,

Function 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. ,PTM:Phosphorylated by PIM1. Phosphorylated during interphase and possibly hyperphosphorylated during mitosis. ,similarity:Contains 2 chromo domains. ,subcellular location:Associates with euchromatin and is largely excluded from constitutive heterochromatin. May be associated with microtubules and mitotic poles during mitosis. ,subunit:Binds directly to CHAF1A. Interacts with histone H3 methylated at 'Lys-9'. Part of the E2F6.com-1 complex in G0 phase composed of E2F6 , MGA , MAX , TFDP1 , CBX3 , BAT8 , EUHMTASE1 , RING1 , RNF2 , MBLR , L3MBTL2 and YAF2. Interacts with LBR , INCENP , TRIM28/TIF1B , SUV420H1 , SUV420H2 and SP100. Interacts with TIF1A (By similarity) . Interacts with MIS12 and C20orf127. Can interact directly with CBX5 via the chromoshadow domain. ,

Validation Data



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4°C over night

Contact information

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