

## HP1 $\gamma$ (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 $\gamma$  (Ser83)**Specificity** This antibody detects endogenous levels of Human Mouse Rat HP1 $\gamma$  (phospho-Ser83)

### Target Information

**Gene name** CBX3

**Protein Name** HP1 $\gamma$  (Ser83)

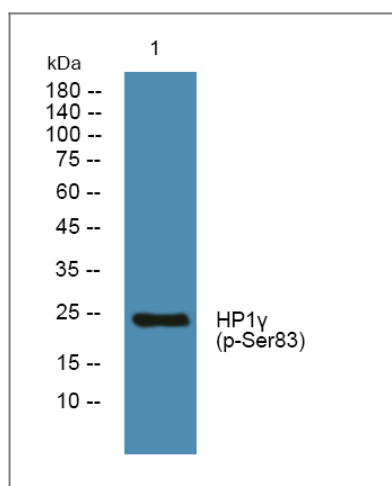
Organism	Gene ID	UniProt ID
Human	<a href="#">11335</a> ;	<a href="#">Q13185</a> ;
Mouse		<a href="#">P23198</a> ;

**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 hyper-phosphorylated 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

Orders: order@immunoway.com  
Support: tech@immunoway.com  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: http://www.immunoway.com  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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product information:  
**HP1 $\gamma$  (Phospho  
Ser83) Rabbit pAb**

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