



## Rabbit Anti-phospho-heterochromatin protein 1 (pTyr41) antibody

SL0930R

<b>Product Name:</b>	phospho-heterochromatin protein 1 (pTyr41)
<b>Chinese Name:</b>	异染色质蛋白1磷酸化抗体(果蝇)
<b>Alias:</b>	Antigen p25; Cbx 5; Cbx5 antibody Chromobox homolog 5 (Drosophila HP1 alpha); Chromobox homolog 5 (HP1 alpha homolog Drosophila); Chromobox homolog 5; Chromobox protein homolog 5; Chromobox protein homologue 5 ; Heterochromatin protein 1 alpha; Heterochromatin protein 1; Heterochromatin protein 1 homolog alpha; HP 1; HP 1A; HP1 alpha homolog ; HP1A ; HP1Hs alpha; HP1Hs-alpha.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Fruit Fly,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	23kDa
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from Fruit Fly HP1 around the phosphorylation site of Tyr41:VE(p-Y)YL
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>

**Product Detail:**

HP1 alpha is a component of heterochromatin. It recognizes and binds histone H3 tails methylated at Lys-9, leading to epigenetic repression. HP1 alpha may interact with lamin B receptor (LBR). This interaction can contribute to the association of the heterochromatin with the inner nuclear membrane. HP1 proteins are relatively small proteins (~25 kDa) with a conserved amino-terminal chromo domain and a structurally related carboxy-terminal motif, the chromo shadow domain. Both domains of HP1 are required for binding to native chromatin in vivo, but they contribute differentially to binding in euchromatin and heterochromatin.

**SWISS:**  
P05205

**Gene ID:**  
N/A

**Database links:**  
GenBank: ACI96782.1

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

异染色质蛋白1 (Heterochromatin protein 1

(HP1)) 一般认为是异染色质的维持者, 异染色质是转录沉默的固缩DNA, 常常与中心粒等区域有关。这种固缩的DNA被认为是转录因子无法接近的, 但近期的Science上发表的两篇报道对这个观点提出了挑战。

这个新的研究提出HP1可能是异染色质活性调控的重要因子, 在细胞生理活动中具有的重要功能。