

## Rabbit Anti-phospho-heterochromatin protein 1 (pTyr24)antibody

SL0928R

**Product Name** phospho-heterochromatin protein 1 (pTyr24)

**Chinese Name** 磷酸化异染色质蛋白 1 抗体 (果蝇)

**Alias**

heterochromatin protein 1 (phospho Tyr24); heterochromatin protein 1 (phospho Y24); Antigen p25; Cbx 5; Cbx5; 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.

**Product Type** Phosphorylated anti

**Research Area** immunology Chromatin and nuclear signals Insect

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** (predicted: Fruit Fly, )

WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000  
(Paraffin sections need antigen repair)

**Applications** not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 23kDa

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated Synthesised phosphopeptide derived from Fruit Fly HP1 around the phosphorylation site of Tyr24: EE(p-Y)AV

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.



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<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>PubMed</b>	<a href="#">PubMed</a> 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.
<b>Product Detail</b>	<b>SWISS:</b> P05205  <b>Gene ID:</b> N/A  <b>Database links:</b> GenBank: ACI96782.1

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。