

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

SL0930R

Product Name	phospho-heterochromatin protein 1 (pTyr41)
Chinese Name	异染色质蛋白 1Phosphorylated anti (果蝇)
Alias	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.
Product Type	Phosphorylated anti
Research Area	Cell biology 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 human SLC7A11around the phosphorylation site of Ser481: VE(p-Y)YL
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention

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

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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.

**Product
Detail**

SWISS:
P05205

Gene ID:
N/A

Database links:
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。