

bs-0930R**[Primary Antibody]****phospho-heterochromatin protein 1 (pTyr41)
Rabbit pAb**

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— DATASHEET —

<p>Host: Rabbit</p> <p>Clonality: Polyclonal</p> <p>GeneID: Fruit Fly HP1</p> <p>Target: heterochromatin protein 1 (pTyr41)</p> <p>Immunogen: KLH conjugated Synthesised phosphopeptide derived from human SLC7A11 around the phosphorylation site of Ser481: VE(p-Y)YL.</p> <p>Purification: affinity purified by Protein A</p> <p>Concentration: 1mg/ml</p> <p>Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.</p> <p>Background: 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.</p>	<p>Isotype: IgG</p> <p>Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000)</p> <p>Reactivity: (predicted: Fruit Fly)</p> <p>Predicted MW.: 23 kDa</p> <p>Subcellular Location: Nucleus</p>
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