

**bs-0928R****[ Primary Antibody ]****phospho-heterochromatin protein 1 (pTyr24)  
Rabbit pAb****BioSS**  
ANTIBODIES

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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000)
<b>Clonality:</b> Polyclonal		
<b>Target:</b> phospho-heterochromatin protein 1 (pTyr24)		
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from Fruit Fly HP1 around the phosphorylation site of Tyr24: EE(p-Y)AV.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Reactivity:</b> (predicted: Fruit Fly)
<b>Storage:</b> 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.		<b>Predicted MW.:</b> 23 kDa
<b>Background:</b> 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>Subcellular Location:</b> Nucleus

**— SELECTED CITATIONS —**

- **[IF=3.057]** Terzuoli et al. Antagonism of bradykinin B2 receptor prevents inflammatory responses in human endothelial cells by quenching the NF-kB pathway activation. (2014) PLoS.On. 9:e84358 WB ;Human. 24392129