bs-0930R

## [ Primary Antibody ]

## phospho-heterochromatin protein 1 (pTyr41) Rabbit pAb



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- DATASHEET -

**Host:** Rabbit **Isotype:** IgG

Clonality: Polyclonal

**GenelD:** 34119 **SWISS:** P05205

**Target:** heterochromatin protein 1 (pTyr41)

 $\textbf{Immunogen:} \ \mathsf{KLH} \ \mathsf{conjugated} \ \mathsf{Synthesised} \ \mathsf{phosphopeptide} \ \mathsf{derived} \ \mathsf{from} \ \mathsf{Fruit}$ 

Fly HP1 around the phosphorylation site of Tyr41: VE(p-Y)YL.

**Purification:** affinity purified by Protein A

Concentration: 1mg/ml

**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.

**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 aminoterminal chromo domain and a structurally related carboxyterminal 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.

**Applications: WB** (1:500-2000)

IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)

**ELISA** (1:5000-10000)

Reactivity: (predicted: Fruit Fly)

Predicted MW.: 23 kDa

Subcellular Location: Nucleus