



HP1 γ (phospho-Ser83) rabbit pAb

Cat No.:ES15682

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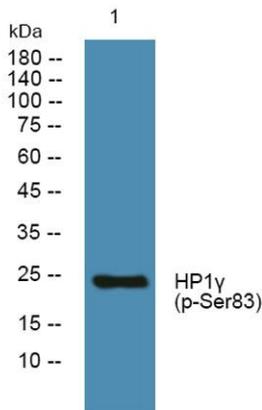
Overview

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| Product Name | HP1 γ (phospho-Ser83) rabbit pAb |
| Host species | Rabbit |
| Applications | WB |
| Species Cross-Reactivity | Human;Mouse;Rat |
| Recommended dilutions | WB 1:1000-2000 |
| Immunogen | Synthesized phospho peptide around human HP1 γ (Ser83) |
| Specificity | This antibody detects endogenous levels of Human Mouse Rat HP1 γ (phospho-Ser83) |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | HP1 γ (Ser83) |
| Gene Name | CBX3 |
| Cellular localization | Nucleus . Associates with euchromatin and is largely excluded from constitutive heterochromatin. May be associated with microtubules and mitotic poles during mitosis (Potential). . |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | 24kD |
| Human Gene ID | 11335 |
| Human Swiss-Prot Number | Q13185 |
| Alternative Names | Chromobox protein homolog 3 (HECH) (Heterochromatin protein 1 homolog gamma) (HP1 gamma) (Modifier 2 protein) |
| Background | At the nuclear envelope, the nuclear lamina and heterochromatin are adjacent to the inner nuclear membrane. The protein encoded by this gene binds DNA and is a component of heterochromatin. This |





protein also can bind lamin B receptor, an integral membrane protein found in the inner nuclear membrane. The dual binding functions of the encoded protein may explain the association of heterochromatin with the inner nuclear membrane. This protein binds histone H3 tails methylated at Lys-9 sites. This protein is also recruited to sites of ultraviolet-induced DNA damage and double-strand breaks. Two transcript variants encoding the same protein but differing in the 5' UTR, have been found for this gene.[provided by RefSeq, Mar 2011],



Western blot analysis of lysates from SH-SY5Y cells,
primary antibody was diluted at 1:1000, 4° over night

