

HP1 γ polyclonal antibody

Catalog: BS90661

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Chromatin assembly factor-1 (CAF-1) is a multisubunit protein complex that comprises three polypeptide subunits known as p150, p60, and p48. CAF-1 is a nucleosome assembly factor that deposits newly synthesized and acetylated histones H3/H4 into nascent chromatin during DNA replication. The p150 subunit of CAF-1 also supports the maintenance of heterochromatin, which requires the synthesis of both new histones and heterochromatin proteins and their orderly assembly during DNA replication. Heterochromatin is characterized as densely coiled chromatin that generally replicates late during S phase, has a low gene density, and contains large blocks of repetitive DNA that is relatively inaccessible to DNA-modifying reagents. In late S phase, p150 directly associates with heterochromatin associated proteins 1 (HP1 α , HP1 β and HP1 γ). As cells prepare for mitosis, CAF-1 p150 and some HP1 progressively dissociate from heterochromatin, coinciding with the phosphorylation of Histone H3. The HP1 proteins reassociate with chromatin at the end of mitosis, as Histone H3 is dephosphorylated.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

20 kDa

Swiss-Prot:

Q13185(Human) P23198(Mouse)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500

IHC:1:50-1:200

FC:1:50-1:100

IP:1:10-1:50

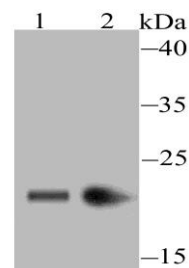
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

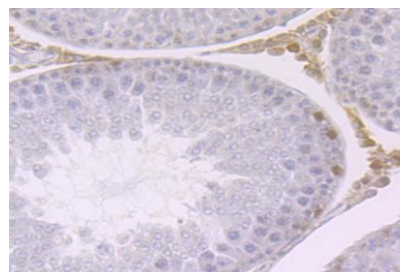
Specificity:

HP1 γ polyclonal antibody detects endogenous levels of HP1 γ protein.

DATA:



Western blot analysis of HP1 gamma on PC-12 (1) and MCF-7 (2) cell lysate using anti-HP1 gamma antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-HP1 gamma antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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