

HP1 alpha polyclonal antibody

Catalog: BS62256

Host: Rabbit

Reactivity: Human,Mouse,Rat

BackGround:

Heterochromatin protein 1 (HP1) is a family of heterochromatic adaptor molecules involved in both gene silencing and higher order chromatin structure. All three HP1 family members (α , β , and γ) are primarily associated with centromeric heterochromatin; however, HP1 β and γ also localize to euchromatic sites in the genome. HP1 proteins are approximately 25 kDa in size and contain a conserved amino-terminal chromodomain, followed by a variable hinge region and a conserved carboxy-terminal chromoshadow domain. The chromodomain facilitates binding to histone H3 tri-methylated at Lys9, a histone "mark" closely associated with centromeric heterochromatin.

Product:

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

Molecular Weight:

~ 25 kDa

Swiss-Prot:

P45973

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1:500~1:1000 IHC:1:50~1:200

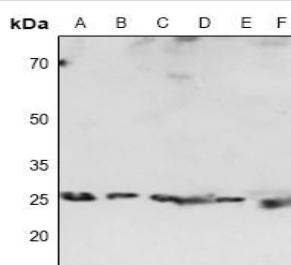
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

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

DATA:



Western blot (WB) analysis of HP1 alpha polyclonal antibody at 1:500 dilution

LaneA:Hela whole cell lysate

LaneB:PC3 whole cell lysate

LaneC:THP-1 whole cell lysate

LaneD:The Heart tissue lysate of Mouse

LaneE:The Brain tissue lysate of Mouse

LaneF:The Heart tissue lysate of Rat

Note:

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

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