BioVision 09/14 For research use only

HP1α, β, γ Antibody

ALTERNATE NAMES: CBX5, 1, 3

CATALOG #: 6861-25

AMOUNT: 25 μg

HOST/ISOTYPE: Rabbit

IMMUNOGEN: Polyclonal antibody raised in rabbit against human HP1 β

(Heterochromatin protein 1 homolog beta), using the full length recombinant GST tagged protein. The antibody also recognizes

the α and γ isoforms.

FORM: Liquid

FORMULATION: In PBS with 0.05% (W/V) sodium azide and 0.05% ProClin

300.

PURIFICATION: Protein G purified

SPECIES REACTIVITY: Human, mouse.

STORAGE CONDITIONS: Store at -20°C; for long storage, store at -80°C. Avoid multiple

freeze-thaw cycles.

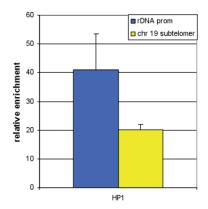
DESCRIPTION: HP1 alpha, beta and gamma are components of

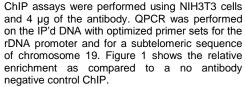
heterochromatin. They recognize and bind histone H3 tails methylated at 'Lys-9', leading to epigenetic repression of transcription. HP1 alpha, beta and gamma also interact with lamin B receptor (LBR), thereby contributing to the association

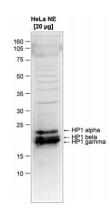
of heterochromatin with the inner nuclear membrane.

APPLICATION: Western Blot: 1:1000, IF: 1:500, ChIP: 4 μg/ChIP

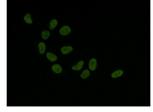
Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.







Western blot was performed on HeLa nuclear extracts (20 μ g) with the antibody diluted 1:1,000 in TBS-Tween containing 5% skimmed milk (Figure 1). The molecular weight marker (in kDa) is shown on the left; the expected location of HP1 α , HP1 β and HP1 γ is indicated on the right.







HeLa cells were stained with the antibody and with DAPI. Cells were fixed with 4% formaldehyde for 10' and blocked with PBS/TX-100 containing 5% normal goat serum and 1% BSA. The cells were immunofluorescently labelled with the HP1 α , β and γ antibody (left) diluted 1:500 in blocking solution followed by an anti-rabbit antibody conjugated to Alexa488. The middle panel shows staining of the nuclei with DAPI. A merge of the two stainings is shown.

RELATED PRODUCTS:

- CBX1 Antibody (Cat. No. 6146-50)
- CBX2 Antibody (Cat. No. 6840-100)
- CBX3 Antibody (Cat. No. 6147-100)
- CBX4 Antibody (Cat. No. 5284-100)
- CBX5 Antibody (Cat. No. 6148-100)

FOR RESEARCH USE ONLY! Not to be used on humans

