

HP1- β (Phospho Thr51) Rabbit pAb

CatalogNo: YP1758

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 20kD (Calculated)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human HP1- β (Phospho-Thr51)

Specificity This antibody detects endogenous levels of HP1- β (Phospho-Thr51) at Human, Mouse, Rat. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): DntWE

Target Information

Gene name CBX1 CBX

Protein Name HP1- β (Phospho-Thr51)

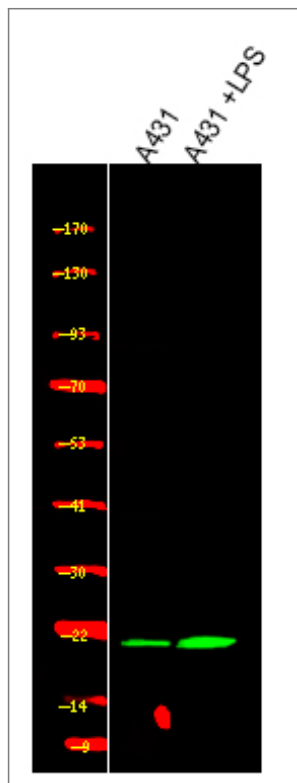
Organism	Gene ID	UniProt ID
Human	10951 ;	P83916 ;
Mouse	12412 ;	P83917 ;

Cellular Localization Nucleus . Unassociated with chromosomes during mitosis.

Tissue specificity Expressed in all adult and embryonic tissues.

Function Function:Component of heterochromatin. Recognizes and binds histone H3 tails methylated at 'Lys-9', leading to epigenetic repression. Interaction with lamin B receptor (LBR) can contribute to the association of the heterochromatin with the inner nuclear membrane. ,online information:Heterochromatin protein 1 entry ,PTM:Not phosphorylated. ,similarity:Contains 2 chromo domains. ,subcellular location:Unassociated with chromosomes during mitosis. ,subunit:Homodimer. Interacts directly with CHAF1A , EMSY , LBR , TIF1/TIF1A and TRIM28/TIF1B PXVXL motif via the chromoshadow domain. Interacts directly with histone H3 methylated at 'Lys-9' via the chromo domain. Interacts with SUV39H1 and SETDB1 , SUV420H1 and SUV420H2. Interacts with PRDM6. ,tissue specificity:In all adult and embryonic tissues. ,

Validation Data



Western Blot analysis of various, using primary antibody at 1:1000 dilution. Secondary antibody (catalog#:RS23920) was diluted at 1:10000

| Contact information

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HP1- β (Phospho Thr51) Rabbit pAb

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