

## CBX5 Rabbit monoclonal antibody

Catalog: BS9876M

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 ( $\alpha$ ,  $\beta$ , and  $\gamma$ ) are primarily associated with centromeric heterochromatin; however, HP1 $\beta$  and  $\gamma$  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:

Protein A affinity purified

### Applications:

WB: 1:1000-1:5000

ICC/IF: 1:50-1:200

IHC: 1:50-1:200

FC: 1:50-1:100

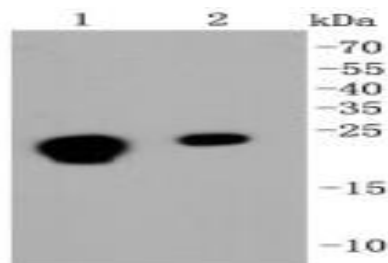
### Storage&Stability:

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

### Specificity:

This antibody detects endogenous levels of CBX5 and does not cross-react with related proteins.

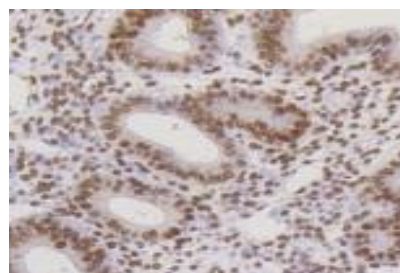
### DATA:



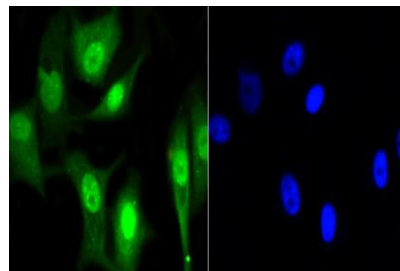
Western blot (WB) analysis of CBX5 Rabbit mAb at 1:1000 dilution

Lane1:MCF7 whole cell lysate

Lane2:HeLa whole cell lysate



Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-CBX5 antibody. Counter stained with hematoxylin.



ICC staining CBX5 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton \*100/PBS.

### Note:

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

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