

CBX5 monoclonal antibody

Catalog: MB0063

Host: Mouse

Reactivity: Human, Mouse

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:

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Molecular Weight:

Predicted band size: 22KDa

Observed band size: 25KDa

Swiss-Prot:

P45973

Purification&Purity:

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

Applications:

WB: 1:1000

ICC: 1:100~500

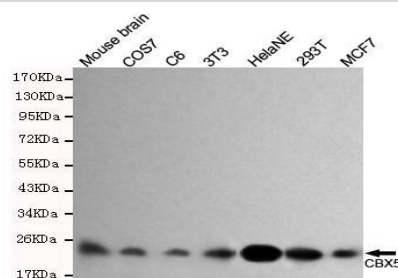
Storage&Stability:

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

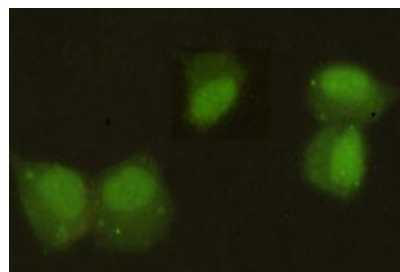
Specificity:

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

DATA:



Western blot detection of CBX5 in MCF7, 293T, HeLaNE, 3T3, C6, COS7 & Mouse brain lysates and using CBX5 antibody (1:1000 diluted).



Immunocytochemistry stain of HeLa using CBX5 antibody (1:300).

Note:

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

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