

## CBX5

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:1000 IHC 1:50 - 1:200

**Calculated MW:**22kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human CBX5

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

HP1; HP1A; HEL25;

**Catalog #:**A10612

**Antibody Type:**

Monoclonal Antibody

**Species:**Mouse

**Gene ID:**23468

**Isotype:**IgG

**Swiss Prot:**P45973

**Purity:**Affinity purification

For research use only.

**Background:**

This gene encodes a highly conserved nonhistone protein, which is a member of the heterochromatin protein family. The protein is enriched in the heterochromatin and associated with centromeres. The protein has a single N-terminal chromodomain which can bind to histone proteins via methylated lysine residues, and a C-terminal chromo shadow-domain (CSD) which is responsible for the homodimerization and interaction with a number of chromatin-associated nonhistone proteins. The encoded product is involved in the formation of functional kinetochore through interaction with essential kinetochore proteins. The gene has a pseudogene located on chromosome 3. Multiple alternatively spliced variants, encoding the same protein, have been identified.

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