



HP1 α

Mouse monoclonal Antibody

#53577

Catalog Number: 53577

Amount: 100 μ g/100 μ l

Swiss-Prot No. : P45973

Gene name: cbx5

Gene id: 23468

Clone Number: 3G2-H10-A6

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

Storage/Stability: Store at -20°C/1 year

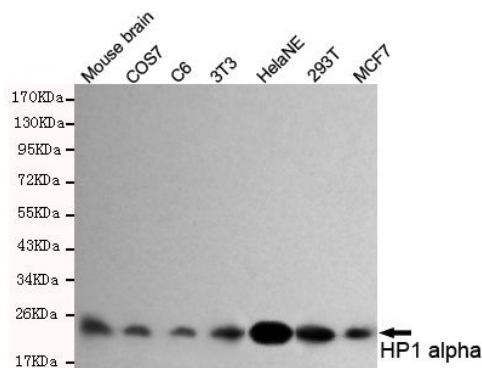
Immunogen: Purified recombinant human HP1 α protein fragments expressed in E.coli.

Purification: affinity-chromatography

Specificity/Sensitivity: This antibody detects endogenous levels of HP1 α and does not cross-react with related proteins

Reactivity: Human, Mouse

Applications: Predicted MW: 22 kd WB: 1:1000 ICC1:300



Western blot detection of HP1 alpha in MCF7, 293T, HeLaNE, 3T3, C6, COS7 and Mouse brain lysates and using HP1 alpha mouse mAb (1:1000 diluted). Predicted band size: 22KDa. Observed band size: 22KDa

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.