

Product Datasheet

HP1- α Mouse mAb

Catalog No: AB3114

Reactivity: Human, Mouse

Isotype: Mouse IgG2b

Applications: WB, IHC, ICC/IF



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Information

UniProt ID: P45973

All Names: CBX5; Antigen p25; Heterochromatin protein 1 homolog alpha; HP1 alpha;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 26KDa

Application

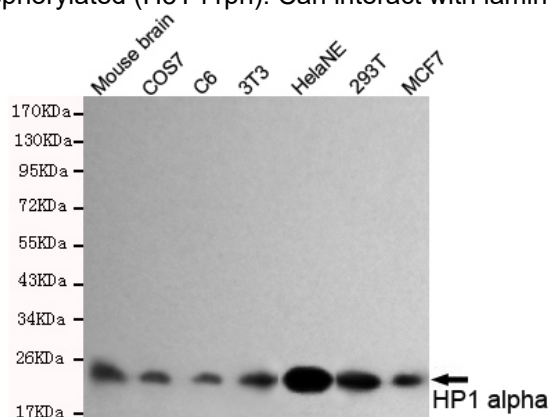
WB 1:1000

IHC 1:200

ICC/IF 1:300

Background

Component of heterochromatin that recognizes and binds histone H3 tails methylated at 'Lys-9' (H3K9me), leading to epigenetic repression. In contrast, it is excluded from chromatin when 'Tyr-41' of histone H3 is phosphorylated (H3Y41ph). Can interact with lamin-B receptor (LBR).



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

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