

Product Datasheet

HP1 alpha (1E8) Mouse mAb

Catalog No: AB3615

Reactivity: Human, Mouse, Rat

Isotype: Mouse IgG1

Applications: WB, IHC



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Information

UniProt ID: P45973

All Names: CBX5; HP1A; Chromobox protein homolog 5; 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.: 22kDa

Application

WB: 1/500-1/1000

IHC: 1/50-1/100

Background

Swiss-Prot Acc.P45973. 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). This interaction can contribute to the association of the heterochromatin with the inner nuclear membrane. Involved in the formation of functional kinetochore through interaction with MIS12 complex proteins.

Western blot analysis of HP1 α in

Hela, A549, HL60, U2OS, C6 lysates using HP1 alpha (1E8) antibody.

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