

Product Datasheet

HP1 alpha Antibody

Catalog No: CY5502

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB ICC/IF IHC IP FC



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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.: 22 kDa

Application

WB: 1:500~1:2000

IHC: 1:50~1:200

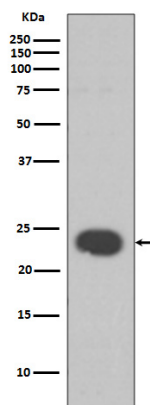
ICC/IF: 1:50~1:200

IP: 1:50

FC: 1: 50

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). 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 alpha expression in SH-SY5Y cell lysate.

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