

Datasheet for ABIN6242092 **anti-CBX5 antibody**

3 Images



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Overview

Quantity:	100 µL
Target:	CBX5
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CBX5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen: Recombinant Protein

Target Details

Target:	CBX5
Alternative Name:	HP1 alpha (CBX5 Products)
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.
UniProt:	P45973

Application Details

Application Notes: WB: 1:1000. IHC: 1:100. ICC: 1:300

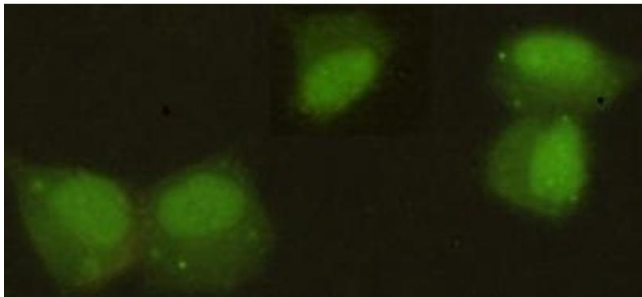
Restrictions: For Research Use only

Handling

Format: Liquid

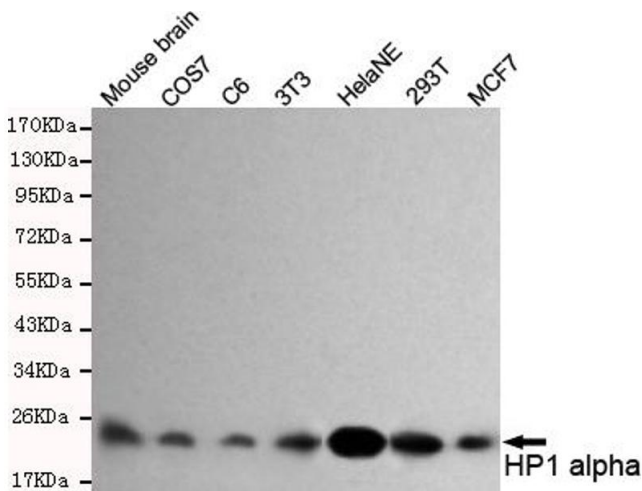
Storage: 4 °C,-20 °C

Images



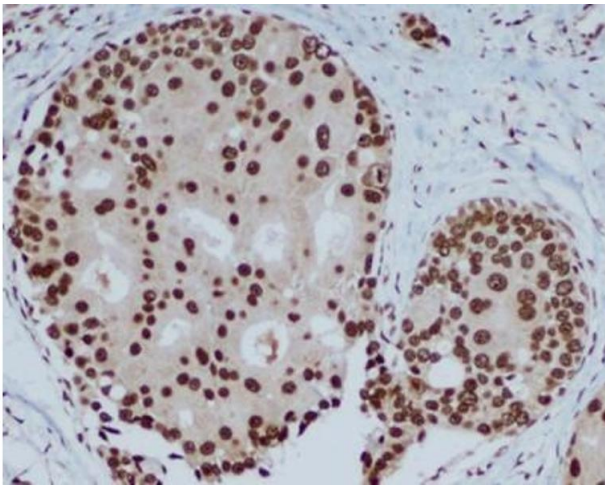
Immunocytochemistry

Image 1. Immunocytochemistry stain of HeLa using HP1 alpha mouse mAb (1:300).



Western Blotting

Image 2. 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



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human breast carcinoma with HP1 alpha mouse mAb (3G2-H10-A6, 1:400 diluted), showing nuclear localization. A high pressure mediated antigen retrieval step was performed in citrat buffer(pH 6.0).