

Datasheet for ABIN6242092 anti-CBX5 antibody

3 Images

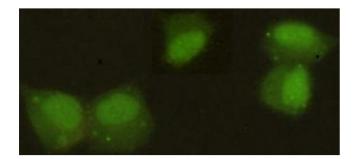


## Overview

Product DetailsImmunogen:Recombinant ProteinTarget DetailsTarget:CBX5CBX5Alternative Name:HP1 alpha (CBX5 Products)Background:Component of heterochromatin that recognizes and binds histone	Quantity:	
Reactivity:Human, MouseHost:MouseClonality:MonoclonalConjugate:This CBX5 antibody is un-conjugatedApplication:Western Blotting (WB), Immunohistochemistry (IHC), ImmunocytooProduct DetailsImmunogen:Target DetailsRecombinant ProteinTarget:CBX5Alternative Name:HP1 alpha (CBX5 Products)Background:Component of heterochromatin that recognizes and binds histone		100 µL
Host:MouseClonality:MonoclonalConjugate:This CBX5 antibody is un-conjugatedApplication:Western Blotting (WB), Immunohistochemistry (IHC), ImmunocytodProduct DetailsImmunogen:Target DetailsRecombinant ProteinTarget:CBX5Alternative Name:HP1 alpha (CBX5 Products)Background:Component of heterochromatin that recognizes and binds histone	Target:	CBX5
Clonality:MonoclonalConjugate:This CBX5 antibody is un-conjugatedApplication:Western Blotting (WB), Immunohistochemistry (IHC), ImmunocytodProduct DetailsImmunogen:Immunogen:Recombinant ProteinTarget DetailsCBX5Alternative Name:HP1 alpha (CBX5 Products)Background:Component of heterochromatin that recognizes and binds histone	Reactivity:	Human, Mouse
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Immunogen:Recombinant ProteinTarget DetailsTarget:Target:CBX5Alternative Name:HP1 alpha (CBX5 Products)Background:Component of heterochromatin that recognizes and binds histone	Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC)
Target DetailsTarget:CBX5Alternative Name:HP1 alpha (CBX5 Products)Background:Component of heterochromatin that recognizes and binds histone	Product Details	
Target: CBX5   Alternative Name: HP1 alpha (CBX5 Products)   Background: Component of heterochromatin that recognizes and binds histone	Immunogen:	Recombinant Protein
Alternative Name: HP1 alpha (CBX5 Products)   Background: Component of heterochromatin that recognizes and binds histone	Target Details	
Background: Component of heterochromatin that recognizes and binds histone	Target:	CBX5
	Alternative Name:	HP1 alpha (CBX5 Products)
'Tyr-41' of histone H3 is phosphorylated (H3Y41ph). Can interact w This interaction can contribute to the association of the heterochro		Component of hotorophysical that recognizes and hinds history $H^2$ tails mothylated at 'Lys 0'
complex proteins.	Background:	(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

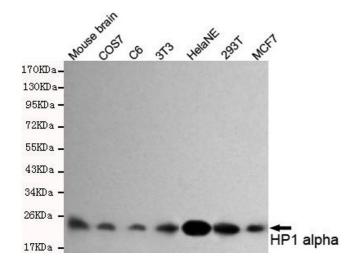
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Application Details	
Application Notes:	WB: 1:1000. IHC: 1:100. ICC: 1:300
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Storage:	4 °C,-20 °C
Images	



## Immunocytochemistry

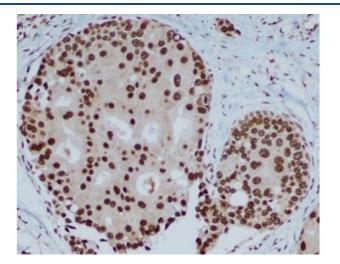
**Image 1.** Immunocytochemistry stain of Hela using HP1 alpha mouse mAb (1:300).



## 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

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## Immunohistochemistry

**Image 3.** Immunohistochemical analysis of paraffinembedded 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).

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