# antibodies -online.com







**Images** 



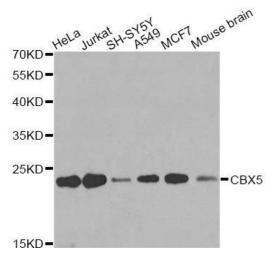
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Overview	
Quantity:	100 μL
Target:	CBX5
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBX5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)
Product Details	

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of human HP1 alpha/HP1 alpha/CBX5 (NP_001120794.1).
Sequence:	MGKKTKRTAD SSSSEDEEEY VVEKVLDRRV VKGQVEYLLK WKGFSEEHNT WEPEKNLDCP ELISEFMKKY KKMKEGENNK PREKSESNKR KSNFSNSADD
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

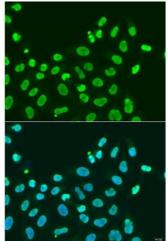
# **Target Details**

Target:	CBX5
Alternative Name:	CBX5 (CBX5 Products)
Background:	This gene encodes a highly conserved nonhistone protein, which is a member of the
	heterochromatin protein family. The protein is enriched in the heterochromatin and associated with centromeres. The protein has a single N-terminal chromodomain which can bind to
	histone proteins via methylated lysine residues, and a C-terminal chromo shadow-domain
	(CSD) which is responsible for the homodimerization and interaction with a number of
	chromatin-associated nonhistone proteins. The encoded product is involved in the formation of
	functional kinetochore through interaction with essential kinetochore proteins. The gene has a
	pseudogene located on chromosome 3. Multiple alternatively spliced variants, encoding the
	same protein, have been identified.,CBX5,HEL25,HP1,HP1A,Epigenetics & Nuclear
	Signaling,CBX5
Molecular Weight:	22 kDa
Gene ID:	23468
UniProt:	P45973
Application Details	
Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



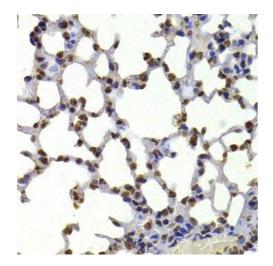
## **Western Blotting**

**Image 1.** Western blot analysis of extracts of various cell lines, using CBX5 antibody.



### **Immunofluorescence**

**Image 2.** Immunofluorescence analysis of U2OS cells using CBX5 antibody.



## **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 3.** Immunohistochemistry of paraffin-embedded mouse lung using CBX5 antibody.