

CBX3 Polyclonal Antibody

Catalog No: #30413



Package Size: #30413-1 50ul #30413-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

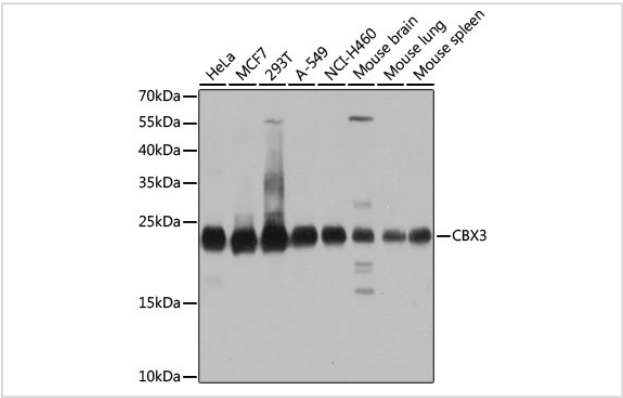
Description

Product Name	CBX3 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human CBX3 (NP_009207.2).
Other Names	CBX3; HECH; HP1-GAMMA; HP1Hs-gamma; chromobox 3
Accession No.	Swiss-Prot#:Q13185NCBI Gene ID:11335
Uniprot	Q13185
GeneID	11335;
Calculated MW	23kDa
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

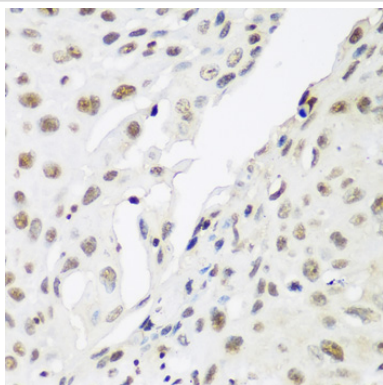
Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:200IF 1:50 - 1:200

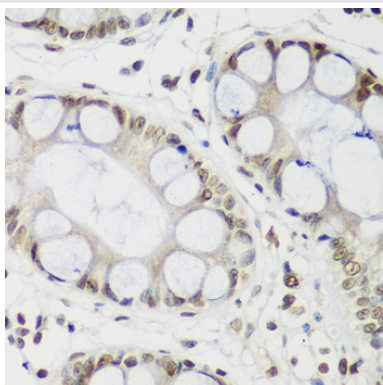
Images



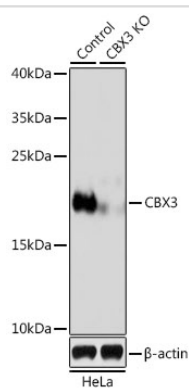
Western blot analysis of extracts of various cell lines, using CBX3 at 1:1000 dilution.



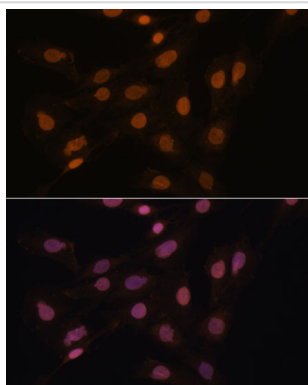
Immunohistochemistry of paraffin-embedded human lung cancer using CBX3 at dilution of 1:200 (40x lens).



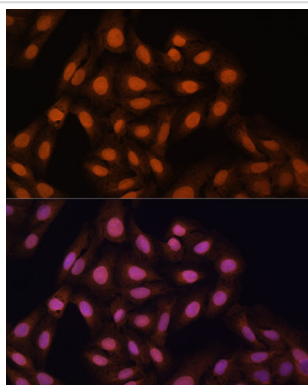
Immunohistochemistry of paraffin-embedded human gastric using CBX3 at dilution of 1:200 (40x lens).



Western blot analysis of extracts from normal (control) and CBX3 knockout (KO) HeLa cells, using CBX3 at 1:500 dilution.



Immunofluorescence analysis of C6 cells using CBX3 at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using CBX3 at dilution of 1:100. Blue: DAPI for nuclear staining.

## Background

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At the nuclear envelope, the nuclear lamina and heterochromatin are adjacent to the inner nuclear membrane. The protein encoded by this gene binds DNA and is a component of heterochromatin. This protein also can bind lamin B receptor, an integral membrane protein found in the inner nuclear membrane. The dual binding functions of the encoded protein may explain the association of heterochromatin with the inner nuclear membrane. This protein binds histone H3 tails methylated at Lys-9 sites. This protein is also recruited to sites of ultraviolet-induced DNA damage and double-strand breaks. Two transcript variants encoding the same protein but differing in the 5' UTR, have been found for this gene.

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Note: This product is for in vitro research use only