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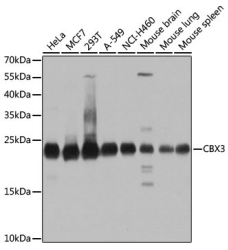
(KO Validated) CBX3 Polyclonal Antibody

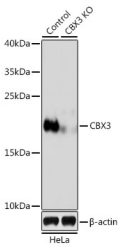
Catalog No.	E-AB-62382	**Reactivity**	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IHC,IF	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

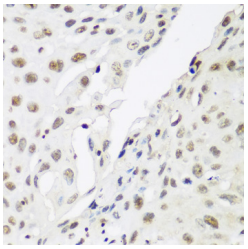
Images



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



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



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

Immunogen Information

Immunogen	Recombinant fusion protein of human CBX3 (NP_009207.2).
GeneID	11335
Swissprot	Q13185
Synonyms	CBX3,HECH,HP1-GAMMA,HP1Hs-gamma

Product Information

Calculated MW	20kDa
Observed MW	23kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200

Background

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.