(KO Validated) CBX3 Polyclonal Antibody

Catalog No. E-AB-62382

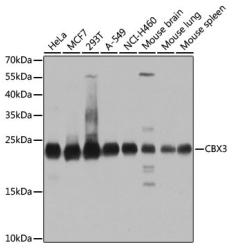
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

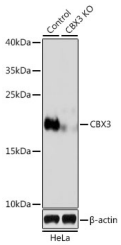
Reactivity	Human,Mouse,Rat
Immunogen	Recombinant fusion protein of human CBX3 (NP_009207.2).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:200
IF	1:50-1:200

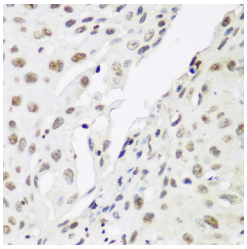
Data



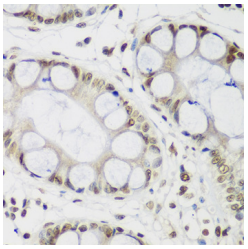
Western blot analysis of extracts of various cell lines using CBX3 Polyclonal Antibody at dilution of 1:1000.
Observed Mw:23kDa
Calculated Mw:20kDa



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

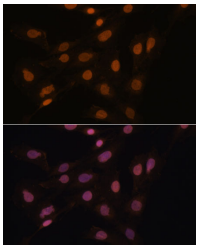


Immunohistochemistry of paraffin-embedded Human lung cancer using CBX3 Polyclonal Antibody at dilution of 1:200 (40x lens).

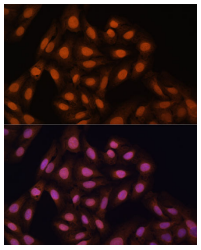


Immunohistochemistry of paraffin-embedded Human gastric using CBX3 Polyclonal Antibody at dilution of 1:200 (40x lens).

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com



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



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

Preparation & Storage

Storage	Store at -20°C. Avoid freeze / thaw cycles.

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.

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com