

# CBX3 Monoclonal Antibody

Catalog Number: E-AB-22270

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

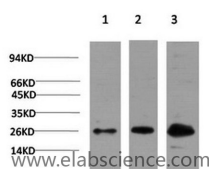
## Description

<b>Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant Protein of HP-1 $\gamma$
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Clone</b>	Clone: 4F4
<b>Purification</b>	Protein A purification
<b>Formulation</b>	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.

## Applications Recommended Dilution

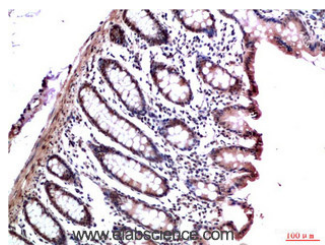
<b>WB</b>	1:500-2000
<b>IHC</b>	1:50-300

## Data

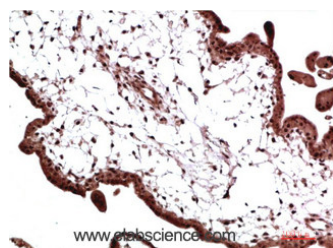


Western Blot analysis of 1) HeLa, 2) 3T3, 3) PC12 cells using CBX3 Monoclonal Antibody at dilution of 1:1000.

**Observed Mw: 24kDa**



Immunohistochemistry of paraffin-embedded Human colon carcinoma tissue using CBX3 Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded Human placenta tissue using CBX3 Monoclonal Antibody at dilution of 1:200.

## 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

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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.

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