

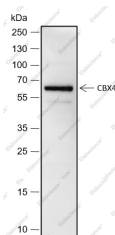
## Recombinant CBX4 Monoclonal Antibody

catalog number: **AN301815L**

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

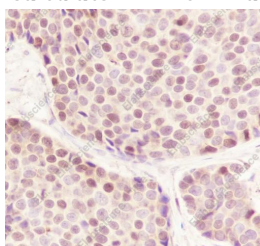
| Description  |                                                                 |
|--------------|-----------------------------------------------------------------|
| Reactivity   | Human;Mouse;Rat                                                 |
| Immunogen    | Recombinant human CBX4 fragment                                 |
| Host         | Rabbit                                                          |
| Isotype      | Rabbit IgG                                                      |
| Clone        | C121437                                                         |
| Purification | Protein A purified                                              |
| Buffer       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |
| Applications | Recommended Dilution                                            |
| WB(human)    | 1:500-1:1000                                                    |
| WB(rat)      | 1:1000-1:5000                                                   |
| IHC          | 1:200-1:1000                                                    |

## Data

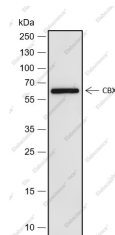
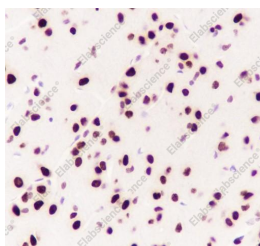


Western Blot with CBX4 Monoclonal Antibody at dilution of 1:1000. Lane 1: HepG2

**Observed-MW:61 kDa**  
**Calculated-MW:61 kDa**

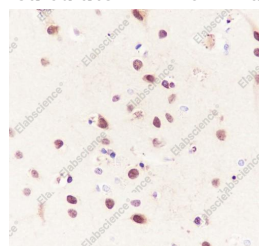


Immunohistochemistry of paraffin-embedded Human breast cancer using CBX4 Monoclonal Antibody at dilution of 1:1000.

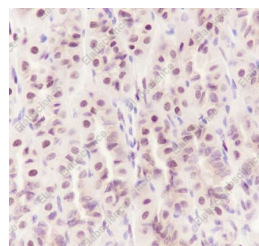


Western Blot with CBX4 Monoclonal Antibody at dilution of 1:5000. Lane 1: C6

**Observed-MW:61 kDa**  
**Calculated-MW:61 kDa**



Immunohistochemistry of paraffin-embedded Human cerebrum using CBX4 Monoclonal Antibody at dilution of 1:1000.



### For Research Use Only

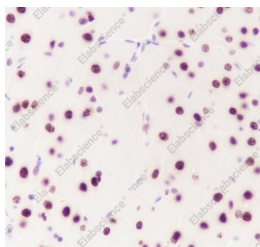
Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.3

Immunohistochemistry of paraffin-embedded Mouse cerebrum using CBX4 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Mouse stomach using CBX4 Monoclonal Antibody at dilution of 1:1000.

Immunohistochemistry of paraffin-embedded Rat cerebrum using CBX4 Monoclonal Antibody at dilution of 1:1000.

## Preparation & Storage

|                 |                                                                 |
|-----------------|-----------------------------------------------------------------|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| <b>Shipping</b> | Ice bag                                                         |

## Background

CBX4 is a component of the PRC1 complex, which together with Ring1 strongly enhances the E3 ubiquitin ligase activity of the Ring2 catalytic subunit. CBX4 itself is a SUMO E3 ligase, and its function influences EMT, DNA damage response, tumor angiogenesis, and self-renewal. E3 SUMO-protein ligase which facilitates SUMO1 conjugation by UBE2I. It is involved in the SUMOylation of HNRNPK, a p53/TP53 transcriptional coactivator, hence indirectly regulates p53/TP53 transcriptional activation resulting in p21/CDKN1A expression.

## For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.3