

CBX4 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15315**Specification**

CBX4 Antibody - Product Information

Application	IHC
Primary Accession	O00257
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61kDa KDa

CBX4 Antibody - Additional Information**Gene ID** 8535**Other Names**

E3 SUMO-protein ligase CBX4, 6.3.2.-, Chromobox protein homolog 4, Polycomb 2 homolog, Pc2, hPc2, CBX4

Target/Specificity

Not tested with other proteins.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

CBX4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CBX4 Antibody - Protein Information**Name** CBX4**Function**

E3 SUMO-protein ligase which facilitates SUMO1 conjugation by UBE2I (PubMed:12679040). Involved in the sumoylation of HNRNPK, a p53/TP53 transcriptional coactivator, hence indirectly regulates p53/TP53 transcriptional activation resulting in p21/CDKN1A expression. Monosumoylates ZNF131 (PubMed:22825850).

Cellular Location

Nucleus. Nucleus speckle. Note=Localization to nuclear polycomb bodies is required for ZNF131 sumoylation (PubMed:22467880). Localized in distinct foci on chromatin (PubMed:18927235)

Tissue Location

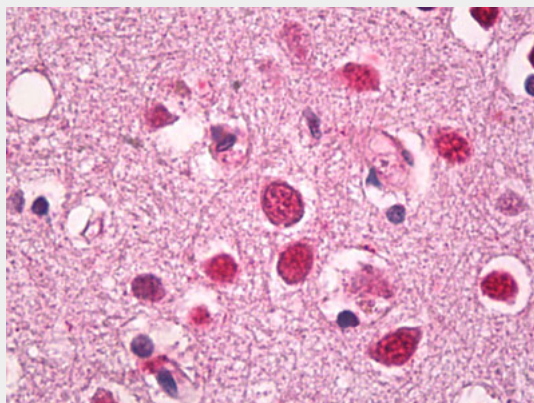
Ubiquitous.

CBX4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CBX4 Antibody - Images



Anti-HPC2 / CBX4 antibody IHC of human brain, cortex neurons.

CBX4 Antibody - Background

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CBX4 Antibody - References

Satijn D.P.E., et al. Mol. Cell. Biol. 17:6076-6086(1997).
Salichs E., et al. PLoS Genet. 5:E1000397-E1000397(2009).
Liu M., et al. Submitted (SEP-2003) to the EMBL/GenBank/DDBJ databases.
Zody M.C., et al. Nature 440:1045-1049(2006).
Satijn D.P.E., et al. Mol. Cell. Biol. 17:4105-4113(1997).