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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.

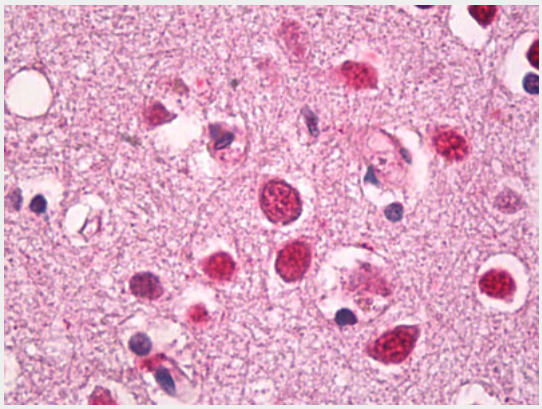
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CBX4 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CBX4 Antibody - Images



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

CBX4 Antibody - Background

E3 SUMO-protein ligase which facilitates SUMO1 conjugation by UBE2I. 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.

CBX4 Antibody - References

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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).
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