



CBX4 mouse mAb

Catalog No	YP-mAb-12217
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CBX4
Immunogen	Synthesized peptide derived from human CBX4 AA range: 196-246
Specificity	This antibody detects endogenous levels of CBX4 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Pc2;NBP16;hPc2;EC:2.3.2.-;E3 SUMO-protein ligase CBX4;CBX4
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Nucleus . Nucleus speckle . Localization to nuclear polycomb bodies is required for ZNF131 sumoylation (PubMed:22467880). Localized in distinct foci on chromatin (PubMed:18927235). .
Tissue Specificity	Ubiquitous.
Function	function:E3 SUMO-protein ligase which facilitates SUMO1 conjugation by UBE2I. Component of the Polycomb group (PcG) multiprotein PRC1 complex, a complex required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility.,pathway:Protein modification; protein sumoylation., PTM:Phosphorylated on Thr-495 by HIPK2 upon DNA damage; which enhances E3 SUMO-protein ligase activity and promotes sumoylation on Lys-492., similarity:Contains 1 chromo domain.,subunit:Interacts with histone H3-K9Me3 (By similarity). Component of chromatin-associated class II PcG repressive



complex 1 (PRC1/hPRC-H) at least composed of PCGF2/RNF110, BMI1/PCGF4, CBX2/M33, CBX4/PC2

Background

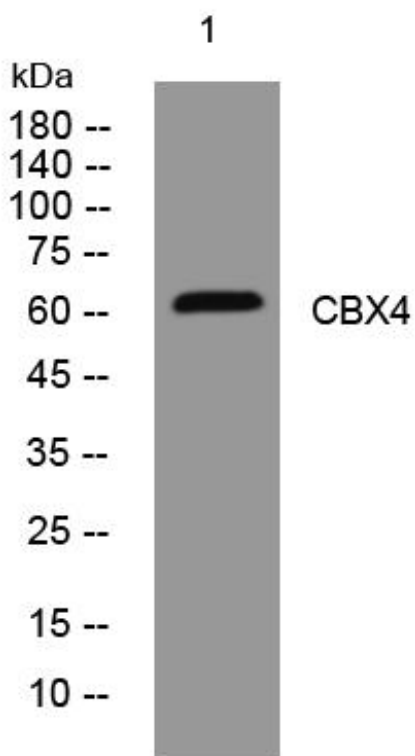
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CBX4 mouse mAb