

CBX4 rabbit pAb

Catalog No :	YT7583
Reactivity :	Human;Mouse
Applications :	WB
Target :	CBX4
Gene Name :	CBX4
Protein Name :	CBX4
Human Gene Id :	8535
Human Swiss Prot No :	O00257
Mouse Gene Id :	12418
Mouse Swiss Prot No :	O55187
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 :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 62kD

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

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

Expression : Ubiquitous.

Sort : 3287

No4 : 1

Host : Rabbit

Modifications : Unmodified

Products Images

