

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:

Mouse Gene Id: 12418

Mouse Swiss Prot

No:

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

O00257

O55187

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)

1/2

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.

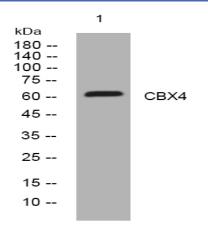
Sort: 3287

No4: 1

Host: Rabbit

Modifications: Unmodified

Products Images



Western blot analysis of lysates from HuvEc cells, primary antibody was diluted at 1:1000, 4° over night