

CBX4 Rabbit mAb

Catalog No: #52733

Package Size: #52733-1 50ul #52733-2 100ul

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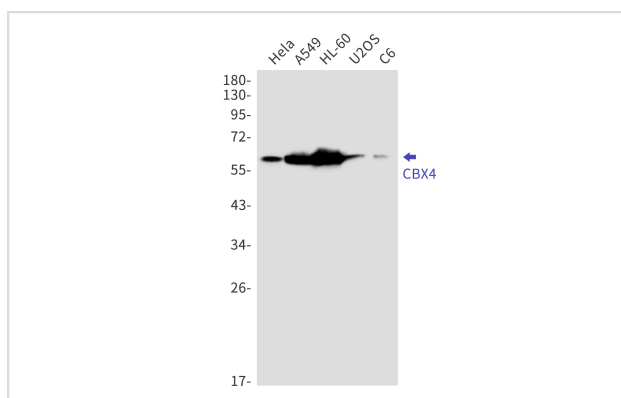
Description

Product Name	CBX4 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S08-413
Isotype	IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human CBX4
Conjugates	Unconjugated
Modification	Unmodification
Other Names	PC2; NBP16
Accession No.	Swiss-Prot:O00257GeneID:8535
Uniprot	O00257
GeneID	8535
Calculated MW	Calculated MW:61 kDa,Observed MW:61 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/1000

Images



Western blot detection of CBX4 in HeLa,A549,HL-60,U2OS,C6 cell lysates using CBX4 Rabbit mAb(1:1000 diluted).Predicted band size:61kDa.Observed band size:61kDa.

Background

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).

Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development (PubMed:12167701, PubMed:19636380, PubMed:21282530).

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 (PubMed:12167701, PubMed:19636380, PubMed:21282530).

Binds to histone H3 trimethylated at 'Lys-9' (H3K9me3) (By similarity).

Plays a role in the lineage differentiation of the germ layers in embryonic development (By similarity).

Note: This product is for in vitro research use only