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# anti-CBX7 antibody (C-Term)



Image



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Overview	
Quantity:	400 μL
Target:	CBX7
Binding Specificity:	AA 144-178, C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBX7 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	This Mouse Cbx7 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 144-178 amino acids from the C-terminal region of human Mouse Cbx7.
Clone:	RB50982
Isotype:	lg Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	CBX7
Alternative Name:	Cbx7 (CBX7 Products)

#### **Target Details**

Background:

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. 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. Promotes histone H3 trimethylation at 'Lys-9' (H3K9me3). Binds to histone H3 trimethylated 'Lys-9' (H3K9me3) or at 'Lys-27' (H3K27me3). May possibly also bind trimethylated lysine residues in other proteins (in vitro). Binds non-coding, single-stranded RNA. Regulator of cellular lifespan by maintaining the repression of CDKN2A, but not by inducing telomerase activity.

Molecular Weight:

18109

UniProt:

Q8VDS3

# **Application Details**

Application Notes:

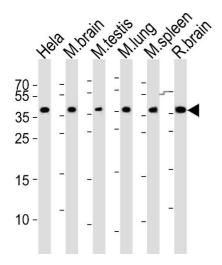
WB: 1:1000

Restrictions:

For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



### **Western Blotting**

Image 1. Western blot analysis of lysates from Hela cell line, mouse brain, mouse testis, mouse lung, mouse spleen, rat brain tissue (from left to right), using Mouse Cbx7 Antibody (C-term) (ABIN6243434 and ABIN6577610). (ABIN6243434 and ABIN6577610) was diluted at 1:10000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20 μg per lane.