

## Anti-CBX2 Antibody (6H584)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human, Rat
Conjugation:	Unconjugated
Clone:	6H584
Purification:	Affinity-chromatography

## Applications

Verified Activity:	Western Blot -Positive WB detected in: U251 whole cell lysate, Ntera-2 whole cell lysate, Hela whole cell lysate, MCF-7 whole cell lysate, HepG2 whole cell lysate, HEK293 whole cell lysate, Rat heart tissue -All lanes: CBX2 antibody at 1:2000 -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution -Predicted band size: 57, 24 kDa -Observed band size: 60-72 kDa
Application:	ELISA,WB
Recommended	WB:1:500-1:2000.

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthetic peptide: Human CBX2
Antigen Species:	Human
Gene ID:	84733
Uniprot ID:	Q14781
Synonyms:	Chromobox protein homolog 2;CBX 2
Biology Area:	Epigenetics and Nuclear Signaling

## Research 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. Binds to histone H3 trimethylated at 'Lys-9' (H3K9me3) or at 'Lys-27' (H3K27me3). Plays a role in the lineage differentiation of the germ layers in embryonic development. Involved in sexual development, acting as activator of NR5A1 expression.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481