

## Anti-CBX7 Antibody (8C580)

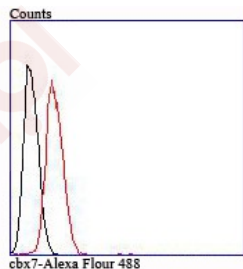
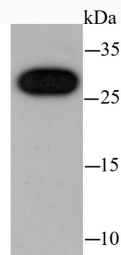
### Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8C580
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. Western blot analysis of cbx7 on A431 cell using anti-cbx7 antibody at 1/1,000 dilution.
2. Flow cytometric analysis of Hela cells with cbx7 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).



Application:	FCM,WB
Recommended	WB: 1:500-2000; FCM: 1:50-100

### 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: Recombinant Protein  
Uniprot ID: O95931  
Synonyms: Chromobox protein homolog 7;CBX7

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### Research Background

CBX7 (Chromobox protein homolog 7) is a 251 amino acid nuclear protein that contains one N-terminal chromo domain and one C-terminal Pc box. Highly expressed in kidney, brain, heart and skeletal muscle, with weaker expression in peripheral blood leukocytes, CBX7 functions as a component of the chromatin-associated polycomb complex (PcG) and is involved in maintaining the transcriptionally repressed state of target genes. Additionally, CBX7 modifies chromatin and is thought to extend the cellular life span of epithelial cells by repressing p14 ARF expression, while simultaneously repressing telomerase activity. Due to its ability to repress the transcription of cell-cycle related proteins, CBX7 is thought to play a role in tumorigenesis, specifically in the development of follicular lymphoma and thyroid cancer.

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

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