

Product Name: KD-Validated CBX2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01565**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 56.1kDa

Antigen Information

Gene Name	CBX2
Alternative Names	CBX2; Chromobox 2; M33; Cell Division Cycle Associated 6; Chromobox Protein Homolog 2; MGC10561; CDCA6; Chromobox Homolog 2 (Pc Class Homolog, Drosophila); Chromobox Homolog 2 (Drosophila Pc Class); Pc Class Homolog (Drosophila); Chromobox Homolog 2; Pc Class Homolog; Modifier 3; SRXY5
Gene ID	84733.0
SwissProt ID	Q14781
Immunogen	A synthesized peptide derived from human CBX2

Background

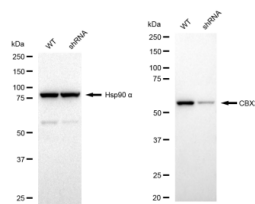
This gene encodes a component of the polycomb multiprotein complex, which is required to maintain the transcriptionally

repressive state of many genes throughout development via chromatin remodeling and modification of histones. Disruption of this gene in mice results in male-to-female gonadal sex reversal. Mutations in this gene are also associated with gonadal dysgenesis in humans. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Mar 2010]

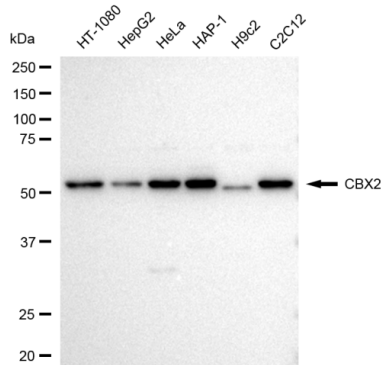
Research Area

Epigenetics and Nuclear Signaling

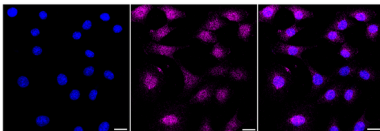
Image Data



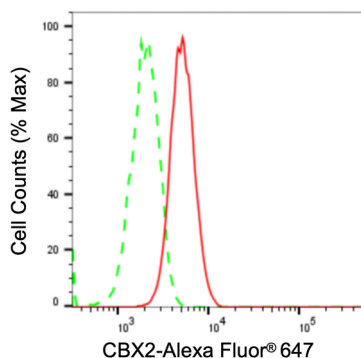
Western blotting analysis using CBX2 antibody (KVA01565). CBX2 expression in wild type (WT) and CBX2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CBX2 antibody (KVA01565, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CBX2 antibody (KVA01565). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CBX2 antibody (KVA01565, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with CBX2 antibody (KVA01565, 1:1,000). Nuclei were stained blue with DAPI; CBX2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of CBX2 expression in C2C12 cells using CBX2 antibody (KVA01565, 1:2,000). Green, isotype control; red, CBX2.