

Product Name: KD-Validated CXXC1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00399**

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 1:100-1:1,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 75.7kDa

Antigen Information

Gene Name	CXXC1 CXXC1; CXXC Finger Protein; PCCX1; PHF18; CGBP; CFP1; HsT2645; ZCGPC1; HCGBP; SPP1; DNA-Binding Protein With PHD Finger And CXXC Domain; PHD Finger And CXXC Domain-Containing Protein 1; Zinc Finger, CpG Binding-Type Containing 1; CXXC-Type Zinc Finger Protein 1; CXXC Finger 1 (PHD Domain); CpG Binding Protein; CpG-Binding Protein; 2410002I16Rik; 5830420C16Rik
Alternative Names	
Gene ID	30827.0
SwissProt ID	Q9P0U4
Immunogen	A synthesized peptide derived from human CGBP

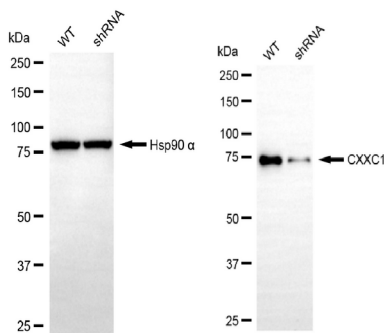
Background

This gene encodes a protein that functions as a transcriptional activator that binds specifically to non-methylated CpG motifs through its CXXC domain. The protein is a component of the SETD1 complex, regulates gene expression and is essential for vertebrate development. [provided by RefSeq, Sep 2015]

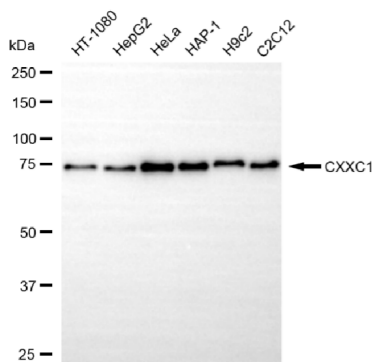
Research Area

Epigenetics and Nuclear Signaling

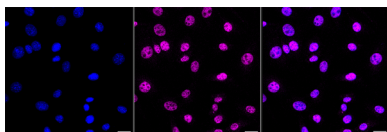
Image Data



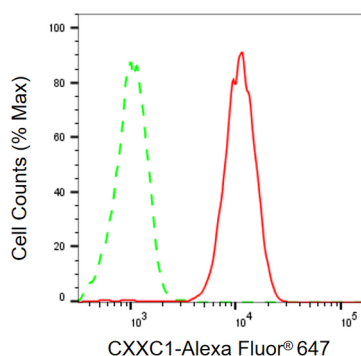
Western blotting analysis using CXXC1 antibody (KVA00399). CXXC1 expression in wild-type (WT) and CXXC1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CXXC1 antibody (KVA00399, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CXXC1 antibody (KVA00399). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CXXC1 antibody (KVA00399, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with CXXC1 antibody (KVA00399, 1:1,000). Nuclei were stained blue with DAPI; CXXC1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.



Flow cytometric analysis of CXXC1 expression in C2C12 cells using CXXC1 antibody (KVA00399, 1:2,000). Green, isotype control; red, CXXC1.