
Product Name: KD-Validated C-Terminal Binding Protein 1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01639**

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: 47.5kDa

Antigen Information

Gene Name	CTBP1
Alternative Names	CTBP1; C-Terminal Binding Protein 1; BARS; Brefeldin A-Ribosylated Substrate; C-Terminal-Binding Protein 1; EC 1.1.1.158; EC 1.1.1.-; EC 1.1.1; HADDTS; CtBP1; CTBP
Gene ID	1487.0
SwissProt ID	Q13363
Immunogen	A synthesized peptide derived from human CtBP1

Background

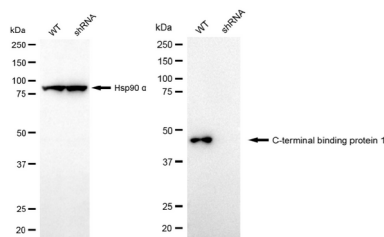
This gene encodes a protein that binds to the C-terminus of adenovirus E1A proteins. This phosphoprotein is a transcriptional repressor and may play a role during cellular proliferation. This protein and the product of a second closely related gene,

CTBP2, can dimerize. Both proteins can also interact with a polycomb group protein complex which participates in regulation of gene expression during development. Alternative splicing of transcripts from this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008]

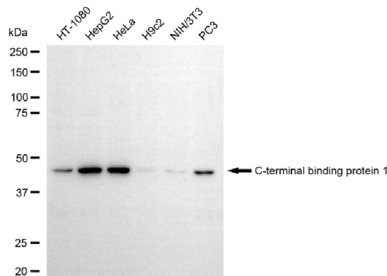
Research Area

Cell Biology, Microbiology, Epigenetics and Nuclear Signaling, Cancer

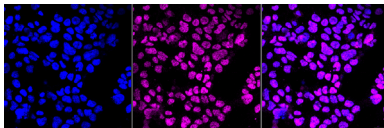
Image Data



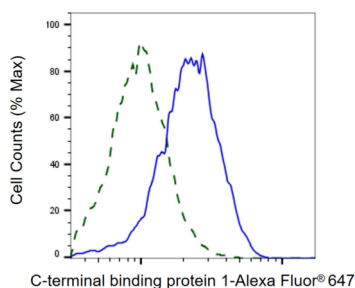
Western blotting analysis using C-terminal binding protein 1 antibody (KVA01639). C-terminal binding protein 1 expression in wild-type (WT) and C-terminal binding protein 1 (CTBP1) shRNA knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with C-terminal binding protein 1 antibody (KVA01639, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



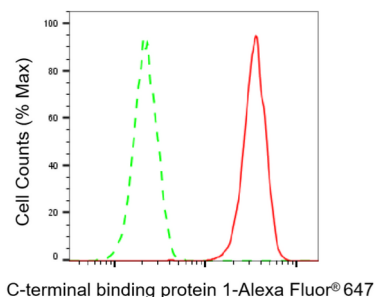
Western blotting analysis using C-terminal binding protein 1 antibody (KVA01639). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with C-terminal binding protein 1 antibody (KVA01639, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with C-terminal binding protein 1 antibody (KVA01639, 1:1,000). Nuclei were stained blue with DAPI; C-terminal binding protein 1 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.



Validation of C-terminal binding protein 1 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HSHC cells were stained with C-terminal binding protein 1 antibody (KVA01639, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of C-terminal binding protein 1 expression in HAP-1 cells using C-terminal binding protein 1 antibody (KVA01639, 1:2,000). Green, isotype control; red, C-terminal binding protein 1.

