
Product Name: KD-Validated C-Terminal Binding Protein 2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01121**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
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; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 48.9kDa

Antigen Information

Gene Name	CTBP2
Alternative Names	CTBP2; C-Terminal Binding Protein 2; C-Terminal-Binding Protein 2; Ribeye; RIBEYE; CtBP2
Gene ID	1488.0
SwissProt ID	P56545
Immunogen	A synthesized peptide derived from human CTBP2

Background

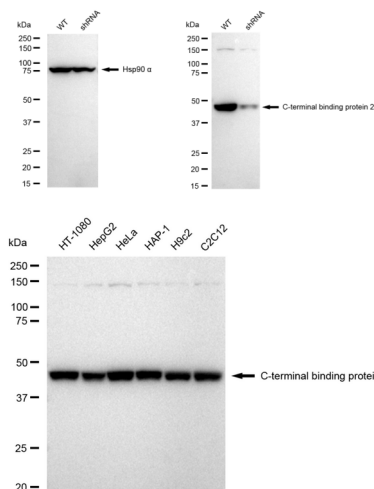
This gene produces alternative transcripts encoding two distinct proteins. One protein is a transcriptional repressor, while the other isoform is a major component of specialized synapses known as synaptic ribbons. Both proteins contain a NAD⁺ binding domain similar to NAD⁺-dependent 2-hydroxyacid dehydrogenases. A portion of the 3' untranslated region was used to map

this gene to chromosome 21q21.3; however, it was noted that similar loci elsewhere in the genome are likely. Blast analysis shows that this gene is present on chromosome 10. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Feb 2014]

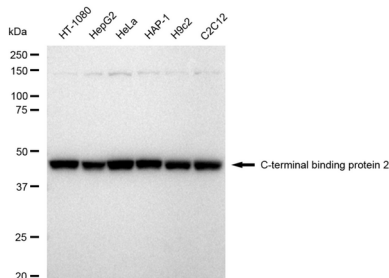
Research Area

Microbiology, Neuroscience, Epigenetics and Nuclear Signaling

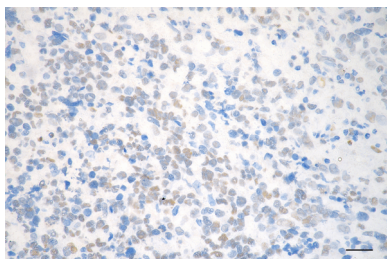
Image Data



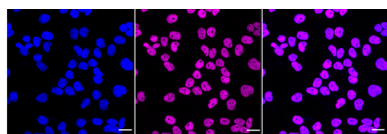
Western blotting analysis using C-terminal binding protein 2 antibody (KVA01121). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with C-terminal binding protein 2 antibody (KVA01121, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



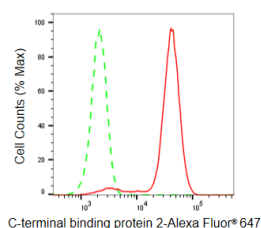
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Immunohistochemistry was performed on paraffin-embedded human glioblastoma using c-terminal binding protein 2 antibody (KVA01121, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HeLa cells with C-terminal binding protein 2 antibody (KVA01121, 1:1,000). Nuclei were stained blue with DAPI; C-terminal binding protein 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.



Flow cytometric analysis of C-terminal binding protein 2 expression in HeLa cells using C-terminal binding protein 2 antibody (KVA01121, 1:2,000). Green, isotype control; red, C-terminal binding protein 2.