Product Name: **CtBP2 Rabbit Polyclonal Antibody**
Catalog #: **APRab09493**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
Molecular Weight	49kDa

Antigen Information

Gene Name	CTBP2
Alternative Names	CTBP2; C-terminal-binding protein 2; CtBP2
Gene ID	1488.0
SwissProt ID	P56545
Immunogen	The antiserum was produced against synthesized peptide derived from human CtBP2. AA range:396-445

Background

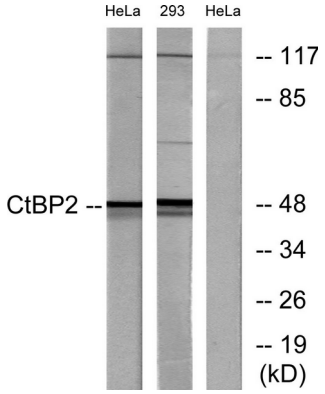
This gene produces alternative transcripts encoding two distinct proteins. One protein is a transcriptional repressor, while the

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],function:Corepressor targeting diverse transcription regulators. Isoform 2 probably acts as a scaffold for specialized synapses.,PTM:Isoform 2 is phosphorylated upon DNA damage, probably by ATM or ATR at Thr-179; Ser-181 and Ser-185. Phosphorylation by HIPK2 on Ser-428 induces proteasomal degradation.,similarity:Belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family.,subunit:Interacts with the C-terminus of adenovirus E1A protein. Can form homodimers or heterodimers of CTBP1 and CTBP2. Interacts with HIPK2 (By similarity). Interacts with PNN, NRIP1 and WIZ.,tissue specificity:Ubiquitous. Highest levels in heart, skeletal muscle, and pancreas.,

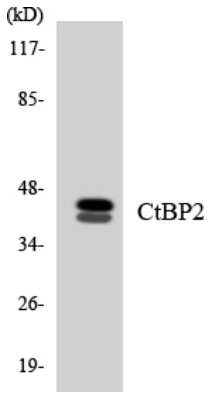
Research Area

WNT;WNT-T CELLNotch;Pathways in cancer;Chronic myeloid leukemia;

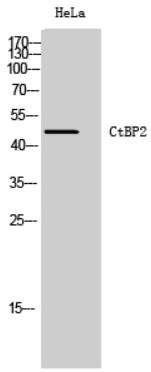
Image Data



Western blot analysis of lysates from HeLa and 293 cells, using CtBP2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVECcells using CtBP2 antibody.



Western Blot analysis of HeLa cells using CtBP2 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit （SC-003,Inventbiotech,MN,USA）.