

产品名称: CtBP2 Rabbit Polyclonal Antibody
产品货号: APRab09493



产品概述 (Summary)

产品名称 (Production Name)	CtBP2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

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

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	49kDa

研究背景 (Background)

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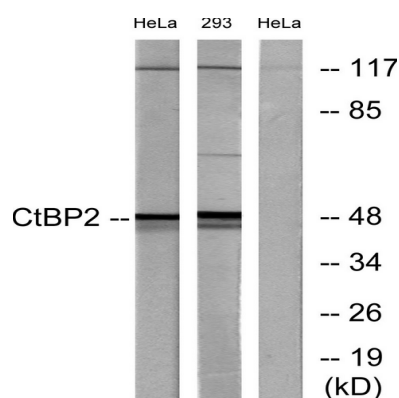


This gene produces alternative transcripts encoding two distinct proteins. One protein is a transcriptional repressor, while the other isoform is a major component of specialized synapses known as synaptic ribbons. Both proteins contain a NAD⁺ binding domain similar to NAD⁺-dependent 2-hydroxyacid dehydrogenases.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

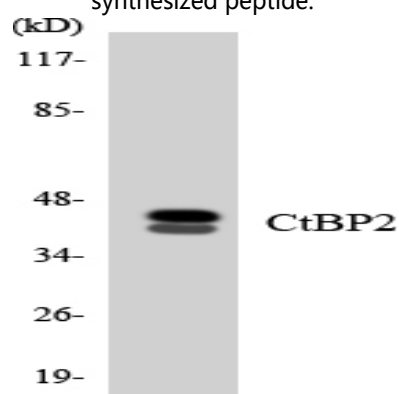
研究领域 (Research Area)

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

图片 (Image Data)



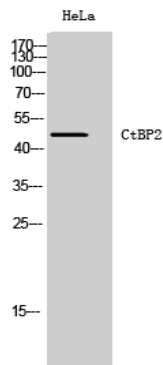
Western blot analysis of lysates from HeLa and 293 cells, using CtBP2 Antibody. The lane on the right is blocked with the synthesized peptide.



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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) .

注意事项 (Note)

For research use only .