

产品名称: CtBP1 (phospho Ser422) Rabbit Polyclonal Antibody
产品货号: APRab04515



产品概述 (Summary)

产品名称 (Production Name)	CtBP1 (phospho Ser422) 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)	Phosphorylated
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)	CTBP1
别名 (Alternative Names)	CTBP1; CTBP; C-terminal-binding protein 1; CtBP1
基因 ID (Gene ID)	1487.0
蛋白 ID (SwissProt ID)	Q13363.The antiserum was produced against synthesized peptide derived from human CtBP1 around the phosphorylation site of Ser422. AA range:388-437

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	48kDa

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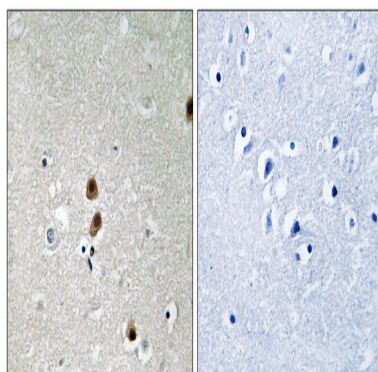
研究背景 (Background)

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], cofactor: NAD. Required for efficient interaction with E1A. Cofactor binding induces a conformation change, function: Involved in controlling the equilibrium between tubular and stacked structures in the Golgi complex (By similarity). Co-repressor targeting diverse transcription regulators such as GLIS2. Has dehydrogenase activity, PTM: ADP-ribosylated; when cells are exposed to brefeldin-A (BFA), PTM: Sumoylation on Lys-428 is promoted by the E3 SUMO-protein ligase CBX4, PTM: The level of phosphorylation appears to be regulated during the cell cycle. Phosphorylated upon DNA damage, probably by ATM or ATR. Phosphorylation by HIPK2 on Ser-422 induces proteasomal degradation, similarity: Belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family, subunit: Interacts with the C-terminus of adenovirus E1A protein, ELK3 and CTIP via their consensus motif P-X-[DNS]-L-[STVA]. Can form homodimers or heterodimers of CTBP1 and CTBP2. Interacts with FOXP2, HDAC4, HDAC5 and HDAC9. Interacts with GLIS2 but not GLIS1 or GLIS3 (By similarity). Interacts with FOXP1, HIPK2, PNN and NRIP1. Interacts with ZFH1B and WIZ. Interacts with Epstein-Barr virus EBNA3 and EBNA6.

研究领域 (Research Area)

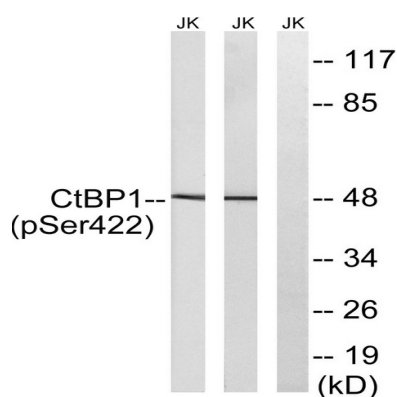
WNT; WNT-T CELL Notch; Pathways in cancer; Chronic myeloid leukemia;

图片 (Image Data)

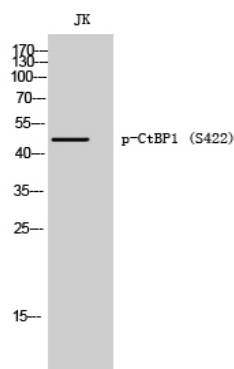


Immunohistochemistry analysis of paraffin-embedded human brain, using CtBP1 (Phospho-Ser422) Antibody. The picture on the right is blocked with the phospho peptide.

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Western blot analysis of lysates from Jurkat cells treated with TNF 20ng/ml 30 ' and Jurkat cells treated with UV 15 ' , using CtBP1 (Phospho-Ser422) Antibody. The lane on the right is blocked with the phospho peptide.



Western Blot analysis of JK cells using Phospho-CtBP1 (S422) Polyclonal Antibody

注意事项 (Note)

For research use only .