

产品名称: CAF-1 p60 Rabbit Polyclonal Antibody
产品货号: APRab07839



产品概述 (Summary)

产品名称 (Production Name)	CAF-1 p60 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)	CHAF1B CHAF1B; CAF1A; CAF1P60; MPHOSPH7; MPP7; Chromatin assembly factor 1 subunit B; CAF-1 subunit B; Chromatin assembly factor I p60 subunit; CAF-I 60 kDa subunit; CAF-I p60; M-phase phosphoprotein 7
别名 (Alternative Names)	
基因 ID (Gene ID)	8208.0
蛋白 ID (SwissProt ID)	Q13112.The antiserum was produced against synthesized peptide derived from human CAF1B. AA range:71-120

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 1:10000-1:20000
蛋白分子量 (Molecular Weight)	61kDa

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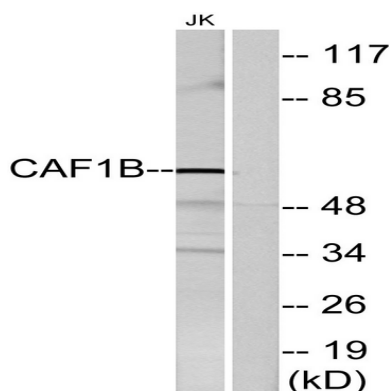
研究背景 (Background)

Chromatin assembly factor I (CAF-I) is required for the assembly of histone octamers onto newly-replicated DNA. CAF-I is composed of three protein subunits, p50, p60, and p150. The protein encoded by this gene corresponds to the p60 subunit and is required for chromatin assembly after replication. The encoded protein is differentially phosphorylated in a cell cycle-dependent manner. In addition, it is normally found in the nucleus except during mitosis, when it is released into the cytoplasm. This protein is a member of the WD-repeat HIR1 family and may also be involved in DNA repair. [provided by RefSeq, Jul 2008],developmental stage:Active complex is found in G1, S and G2 phases.,function:Complex that is thought to mediate chromatin assembly in DNA replication and DNA repair. Assembles histone octamers onto replicating DNA in vitro. CAF-1 performs the first step of the nucleosome assembly process, bringing newly synthesized histones H3 and H4 to replicating DNA; histones H2A/H2B can bind to this chromatin precursor subsequent to DNA replication to complete the histone octamer. The CCR4-NOT complex functions as general transcription regulation complex.,PTM:Differentially phosphorylated during cell cycle. During mitosis the p60 subunit of inactive CAF-1 is hyperphosphorylated and displaced into the cytosol. Progressively dephosphorylated from G1 to S and G2 phase. Phosphorylated p60 is recruited to chromatin undergoing DNA repair after UV irradiation in G1, S or G2 phases.,similarity:Belongs to the WD repeat HIR1 family.,similarity:Contains 7 WD repeats.,subcellular location:DNA replication foci. Cytoplasmic in M phase.,subunit:Subunit of the CAF-1 complex that contains RBBP4, CHAF1B and CHAF1A. CHAF1A binds directly to CHAF1B. Only minor amounts of RBBP4 are complexed with CHAF1A and CHAF1B in G1 phase. In G2 and S phase also monomeric CHAF1B is detected. Subunit of the CCR4-NOT core complex that contains CHAF1A, CHAF1B, CNOT1, CNOT2, CNOT3, CNOT4, CNOT6 and CNOT8.,

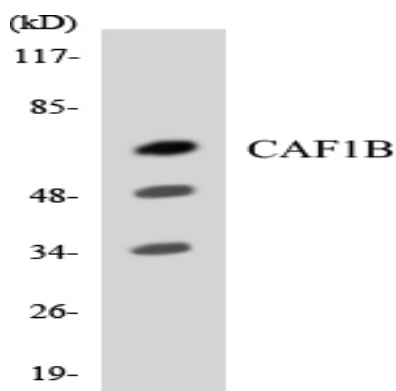
研究领域 (Research Area)

NF_kappaB

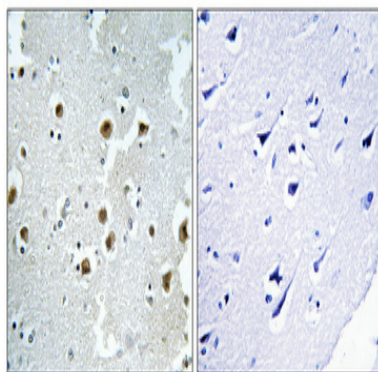
图片 (Image Data)



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Western blot analysis of the lysates from RAW264.7 cells using CAF1B antibody.



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°, overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

For research use only .