

产品名称: C/EBP α (phospho Ser21) Rabbit Polyclonal Antibody
产品货号: APRab04338



产品概述 (Summary)

产品名称 (Production Name)	C/EBP α (phospho Ser21) 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)	CEBPA
别名 (Alternative Names)	CEBPA; CCAAT/enhancer-binding protein alpha; C/EBP alpha
基因 ID (Gene ID)	1050.0
蛋白 ID (SwissProt ID)	P49715.The antiserum was produced against synthesized peptide derived from human C/EBP-alpha around the phosphorylation site of Ser21. AA range:6-55

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 1:5000-1:10000
蛋白分子量 (Molecular Weight)	42kDa

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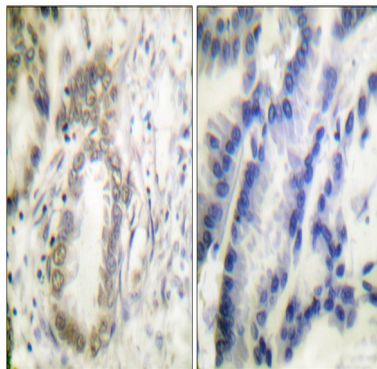
研究背景 (Background)

This intronless gene encodes a transcription factor that contains a basic leucine zipper (bZIP) domain and recognizes the CCAAT motif in the promoters of target genes. The encoded protein functions in homodimers and also heterodimers with CCAAT/enhancer-binding proteins beta and gamma. Activity of this protein can modulate the expression of genes involved in cell cycle regulation as well as in body weight homeostasis. Mutation of this gene is associated with acute myeloid leukemia. The use of alternative in-frame non-AUG (GUG) and AUG start codons results in protein isoforms with different lengths. Differential translation initiation is mediated by an out-of-frame, upstream open reading frame which is located between the GUG and the first AUG start codons. [provided by RefSeq, Dec 2013],function:C/EBP is a DNA-binding protein that recognizes two different motifs: the CCAAT homology common to many promoters and the enhanced core homology common to many enhancers.,similarity:Belongs to the bZIP family.,similarity:Belongs to the bZIP family. C/EBP subfamily.,similarity:Contains 1 bZIP domain.,subunit:Binds DNA as a dimer and can form stable heterodimers with C/EBP beta and gamma. Interacts with UBN1. Interacts with HBV protein X.,

研究领域 (Research Area)

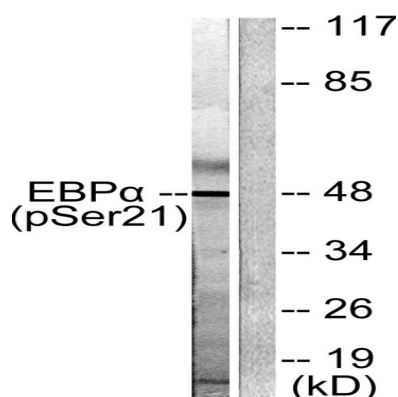
Pathways in cancer;Acute myeloid leukemia;

图片 (Image Data)

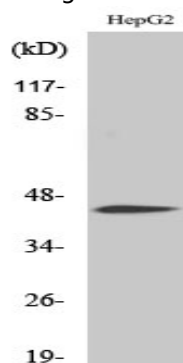


Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using C/EBP-alpha (Phospho-Ser21) Antibody. The picture on the right is blocked with the phospho peptide.

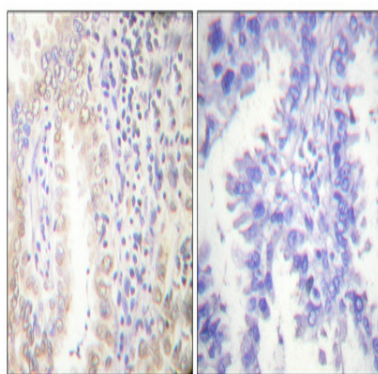
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Western blot analysis of lysates from HepG2 cells treated with EGF 200ng/ml 5', using C/EBP- α (Phospho-Ser21) Antibody. The lane on the right is blocked with the phospho peptide.



Western Blot analysis of various cells using Phospho-C/EBP α (S21) Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Immunohistochemical analysis of paraffin-embedded Human lung cancer. 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.