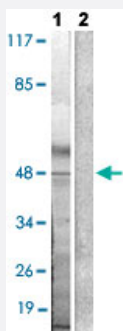


CEBPA (phospho S21) polyclonal antibody

Catalog # PAB29256

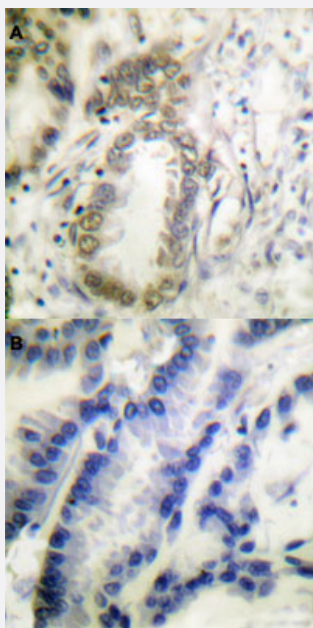
Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: EGF treated HepG2 cells, Lane 2: antigen-specific peptide treated HepG2 cells with CEBPA (phospho S21) polyclonal antibody (Cat# PAB29256) at 1:500-1:1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon cancer tissue with CEBPA (phospho S21) polyclonal antibody (Cat# PAB29256) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic phosphopeptide of human CEBPA.

Immunogen

Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S21 of human CEBPA.

Host	Rabbit
Theoretical MW (kDa)	45
Reactivity	Human, Mouse, Rat
Specificity	CEBPA (phospho S21) polyclonal antibody detects endogenous levels of human CEBPA only when phosphorylated at serine 21.
Form	Liquid
Purification	Affinity Chromatography
Recommend Usage	Immunohistochemistry (1:50~1:100) Western Blot (1:500~1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — CEBPA

Entrez GeneID	1050
Protein Accession#	P49715
Gene Name	CEBPA
Gene Alias	C/EBP-alpha, CEBP

Gene Description	CCAAT/enhancer binding protein (C/EBP), alpha
Omim ID	116897 601626
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain promoters and enhancers. It can also form heterodimers with the related proteins CEBP-beta and CEBP-gamma. The encoded protein has been shown to bind to the promoter and modulate the expression of the gene encoding leptin, a protein that plays an important role in body weight homeostasis. Also, the encoded protein can interact with CDK2 and CDK4, thereby inhibiting these kinases and causing growth arrest in cultured cells. [provided by RefSeq]
Other Designations	CCAAT/enhancer binding protein alpha

Pathway

- [Acute myeloid leukemia](#)
- [Pathways in cancer](#)

Disease

- [Acute Disease](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Chromosome Aberrations](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Neoplasms](#)
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- [Multiple Myeloma](#)

- [Myelodysplastic Syndromes](#)
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