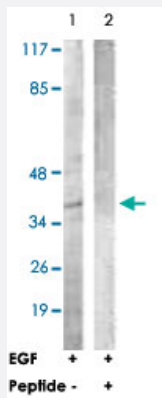


CEBPA polyclonal antibody

Catalog # PAB17302 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from COS-7 cells, treated with EGF (200 ng/ml, 30 mins), using CEBPA polyclonal antibody (Cat # PAB17302). Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CEBPA.
Immunogen	A synthetic peptide corresponding to residues surrounding threonine 222 of human CEBPA.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of total CEBPA protein.
Form	Liquid
Recommend Usage	Western Blot (1:500-1:1000) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
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

- Western Blot (Cell lysate)

Western blot analysis of extracts from COS-7 cells, treated with EGF (200 ng/ml, 30 mins), using CEBPA polyclonal antibody (Cat # PAB17302).

Peptide "+" means "with peptide blocking".

Gene Info — CEBPA

Entrez GeneID	1050
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Protein Accession#	P49715
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Gene Name	CEBPA
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Gene Alias	C/EBP-alpha, CEBP
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Gene Description	CCAAT/enhancer binding protein (C/EBP), alpha
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Omim ID	116897 601626
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Gene Ontology	Hyperlink
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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]
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Other Designations	CCAAT/enhancer binding protein alpha
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Publication Reference

- [Interaction of hepatitis B viral X protein and CCAAT/ enhancer-binding protein alpha synergistically activates the hepatitis B viral enhancer II/pregenomic promoter.](#)

Choi BH, Park GT, Rho HM.

The Journal of Biological Chemistry 1999 Jan; 274(5):2858.

- [Transcription factor C/EBPalpha: novel sites of expression and cloning of the human gene.](#)

Swart GW, van Groningen JJ, van Ruissen F, Bergers M, Schalkwijk J.

Biological Chemistry 1997 May; 378(5):373.

Application: IHC, Human, Skin

- [Molecular cloning, sequence, and expression patterns of the human gene encoding CCAAT/enhancer binding protein alpha \(C/EBP alpha\).](#)

Antonson P, Xanthopoulos KG.

Biochemical and Biophysical Research Communications 1995 Oct; 215(1):106.

Pathway

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

Disease

- [Acute Disease](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Chromosome Aberrations](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Neoplasms](#)
- [Hyperlipidemias](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Multiple Myeloma](#)
- [Myelodysplastic Syndromes](#)

- [Myocardial Ischemia](#)
- [Neoplasms](#)
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- [Pancreatic Neoplasms](#)
- [Peripheral Vascular Diseases](#)
- [Recurrence](#)