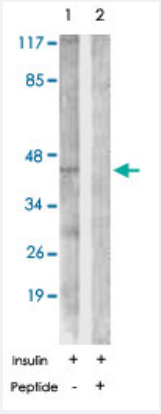
CEBPA polyclonal antibody

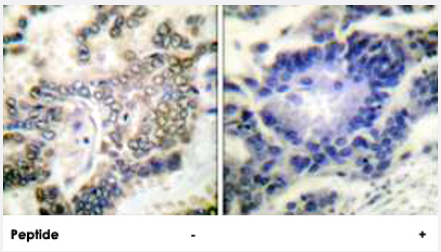
Catalog # PAB17279 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells treated with Insulin (0.01 U/mL, 15 mins), using CEBPA polyclonal antibody (Cat # PAB17279).
Peptide "+" means "with peptide blocking".



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

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue, using CEBPA polyclonal antibody (Cat # PAB17279).
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 serine 21 of human CEBPA.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of total CEBPA protein.
Form	Liquid

Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) 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 shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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

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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 ho modimer to certain promoters and enhancers. It can also form heterodimers with the related prote ins 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 i nhibiting these kinases and causing growth arrest in cultured cells. [provided by RefSeq
Other Designations	CCAAT/enhancer binding protein alpha

Publication Reference

- CCAAT/enhancer-binding protein α is epigenetically silenced by histone deacetylation in endometriosis and promotes the pathogenesis of endometriosis.

  Kawano Y, Nasu K, Hijiya N, Tsukamoto Y, Amada K, Abe W, Kai K, Moriyama M, Narahara H.

  The Journal of Clinical Endocrinology and Metabolism 2013 Sep; 98(9):E1474.

  Application: IHC-P, WB-Tr, Human, Endometriotic cyst stromal cells, Endometriotic tissues

- Expression of CCAAT/enhancer binding proteins alpha and beta in the porcine ovary and regulation in primary cultures of granulosa cells.

  Gillio-Meina C, Hui YY, LaVoie HA.

  Biology of Reproduction 2005 Jan; 72(5):1194.

- Synergism between ERalpha transactivation function 1 (AF-1) and AF-2 mediated by steroid receptor coactivator protein-1: requirement for the AF-1 alpha-helical core and for a direct interaction between the N- and C-terminal domains.

  Metivier R, Penot G, Flouriot G, Pakdel F.

  Mol Endocrinol 2001 Nov; 15(11):1953.

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
- Obesity
- Osteoporosis
- Pancreatic cancer
- Pancreatic Neoplasms
- Peripheral Vascular Diseases
- Recurrence