

Product datasheet for **AP06738PU-M**

CEBPE Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on paraffin sections 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 188-245 of Human C/EBP-ε.
Specificity:	This antibody detects endogenous levels of C/EBP-epsilon protein. (region surrounding Lys220)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 30 kDa
Gene Name:	CCAAT/enhancer binding protein epsilon
Database Link:	<u>Entrez Gene 1053 Human</u> <u>Q15744</u>

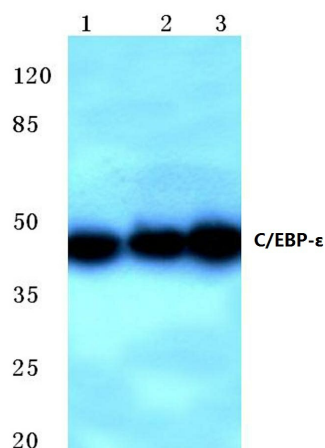
[View online »](#)

Background:

The transcription factor C/EBP alpha (CCAAT-enhancer binding protein) is a heatstable, sequence-specific DNA-binding protein first purified from rat liver nuclei that binds avidly to several different cis-regulatory DNA sequences commonly associated with viral and cellular genes transcribed by RNA polymerase II. C/EBP alpha regulates gene expression in a variety of tissues including liver, adipose, lung and intestine. C/EBP alpha uses a bipartite structural motif to bind DNA. Two protein chains dimerize through a set of amphipathic alpha helices termed the leucine zipper. Highly basic polypeptide regions emerge from the zipper to form a linked set of DNA contact surfaces. C/EBP alpha appears to function exclusively in terminally differentiated, growth-arrested cells. Additional family members include C/EBP beta, C/EBP gamma, C/EBP delta and C/EBP epsilon, all of which exhibit similar DNA-binding specificities and affinities to C/EBP alpha. Furthermore, C/EBP beta and C/EBP delta readily form heterodimers both with each other as well as with C/EBP alpha.

Synonyms:

C/EBP epsilon

Product images:


Western blot (WB) analysis of C/EBP- ϵ antibody at 1/500 dilution Lane 1: Hela whole cell lysate
Lane 2: Raw264.7 whole cell lysate Lane 3: Rat kidney tissue lysate