

**C/EBP  $\epsilon$  (phospho Thr74) Polyclonal Antibody**

<b>Catalog No :</b>	YP0911
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	C/EBP $\epsilon$
<b>Fields :</b>	>>Transcriptional misregulation in cancer;>>Acute myeloid leukemia
<b>Gene Name :</b>	CEBPE
<b>Protein Name :</b>	CCAAT/enhancer-binding protein epsilon
<b>Human Gene Id :</b>	1053
<b>Human Swiss Prot No :</b>	Q15744
<b>Mouse Swiss Prot No :</b>	Q6PZD9
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human C/EBP-epsilon around the phosphorylation site of Thr74. AA range:40-89
<b>Specificity :</b>	Phospho-C/EBP $\epsilon$ (T74) Polyclonal Antibody detects endogenous levels of C/EBP $\epsilon$ protein only when phosphorylated at T74.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 34kD

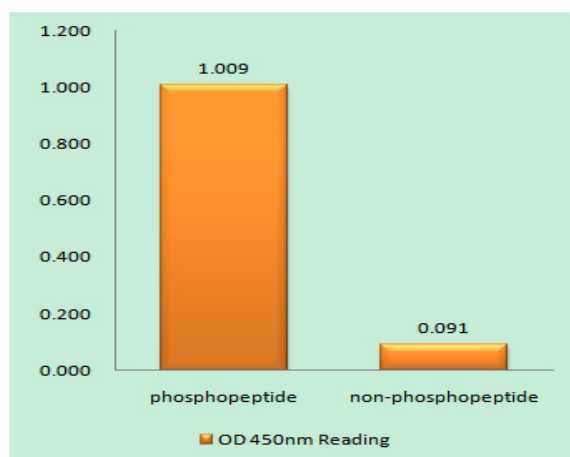
**Background :** The protein encoded by this gene is a bZIP transcription factor which can bind as a homodimer to certain DNA regulatory regions. It can also form heterodimers with the related protein CEBP-delta. The encoded protein may be essential for terminal differentiation and functional maturation of committed granulocyte progenitor cells. Mutations in this gene have been associated with Specific Granule Deficiency, a rare congenital disorder. Multiple variants of this gene have been described, but the full-length nature of only one has been determined. [provided by RefSeq, Jul 2008],

**Function :** function:C/EBP are DNA-binding proteins that recognize two different motifs: the CCAAT homology common to many promoters and the enhanced core homology common to many enhancers.,online information:CEBPE mutation db,PTM:Phosphorylated.,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 delta.,tissue specificity:Strongest expression occurs in promyelocyte and late-myeloblast-like cell lines.,

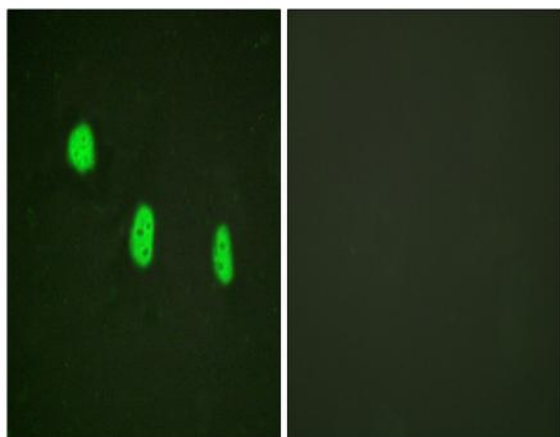
**Subcellular Location :** Nucleus .

**Expression :** Strongest expression occurs in promyelocyte and late-myeloblast-like cell lines.

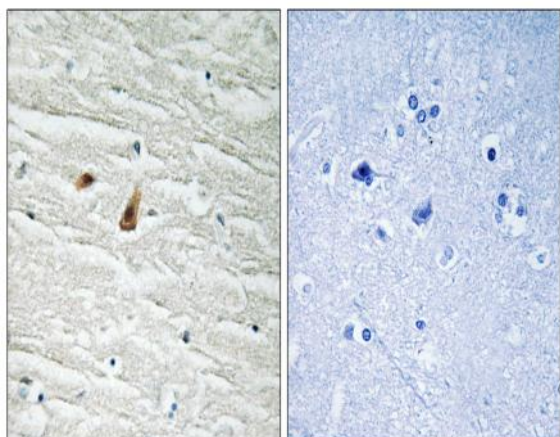
## Products Images



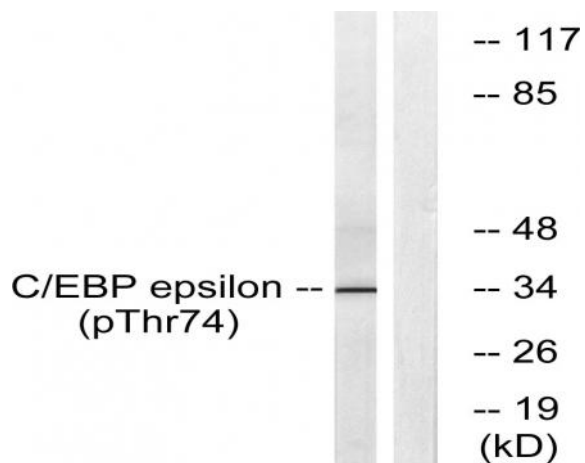
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using C/EBP-epsilon (Phospho-Thr74) Antibody



Immunofluorescence analysis of HeLa cells, using C/EBP-epsilon (Phospho-Thr74) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using C/EBP-epsilon (Phospho-Thr74) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HUVEC cells treated with UV 15', using C/EBP-epsilon (Phospho-Thr74) Antibody. The lane on the right is blocked with the phospho peptide.