

# Anti-C/EBP epsilon (Phospho-T74) Antibody

Catalog # AP61071

## Product Information

---

|                   |                          |
|-------------------|--------------------------|
| Application       | WB, IHC, IF/IC           |
| Primary Accession | <a href="#">Q15744</a>   |
| Reactivity        | Human, Mouse, Rat, Sheep |
| Host              | Rabbit                   |
| Clonality         | Polyclonal               |
| Calculated MW     | 30603                    |

## Additional Information

---

|                    |                                                                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 1053                                                                                                                                                 |
| Other Names        | CCAAT/enhancer-binding protein epsilon; C/EBP epsilon                                                                                                |
| Target/Specificity | KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding T74 of human C/EBP epsilon protein. The exact sequence is proprietary. |
| Dilution           | WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/100), IF/IC (1/100 - 1/500) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/100), IF/IC (1/100 - 1/500) IF/IC~~N/A    |
| Format             | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                            |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                                            |

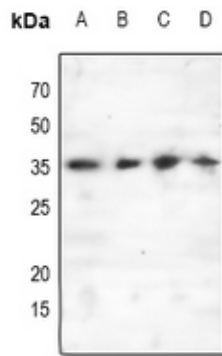
## Protein Information

---

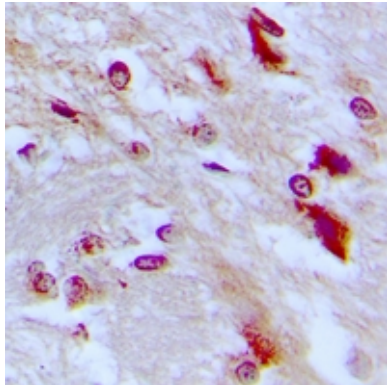
|                   |                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | CEBPE                                                                                                                                                                                                                                                                                                                                                       |
| Function          | Transcriptional activator (PubMed: <a href="#">26019275</a> ). 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. Required for the promyelocyte-myelocyte transition in myeloid differentiation (PubMed: <a href="#">10359588</a> ). |
| Cellular Location | Nucleus                                                                                                                                                                                                                                                                                                                                                     |
| Tissue Location   | Strongest expression occurs in promyelocyte and late-myeloblast-like cell lines.                                                                                                                                                                                                                                                                            |

## Images

---



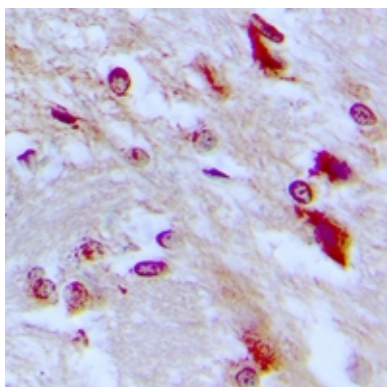
Western blot analysis of C/EBP epsilon (Phospho-T74) expression in Hela (A), mouse liver (B), Raw264.7 (C), rat liver (D) whole cell lysates. (Predicted band size: 30 kD; Observed band size: 34 kD)



Immunohistochemical analysis of C/EBP epsilon (Phospho-T74) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of C/EBP epsilon (Phospho-T74) staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with Alexa Fluor 647-conjugated secondary antibody (red) in PBS at room temperature in the dark.



Immunohistochemical analysis of C/EBP epsilon (pT74) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.