10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-C/EBP delta/epsilon Antibody

Catalog # AP51077

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P49716
Other Accession	Q15744
Reactivity	Human, Mouse, Rat, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28467

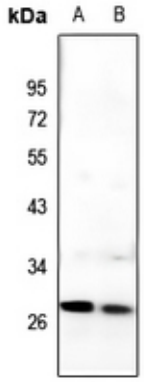
Additional Information

Gene ID	1052
Other Names	CEBPD; CCAAT/enhancer-binding protein delta; C/EBP delta; Nuclear factor NF-IL6-beta; NF-IL6-beta; CEBPE; CCAAT/enhancer-binding protein epsilon; C/EBP epsilon
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human C/EBP delta/epsilon. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 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

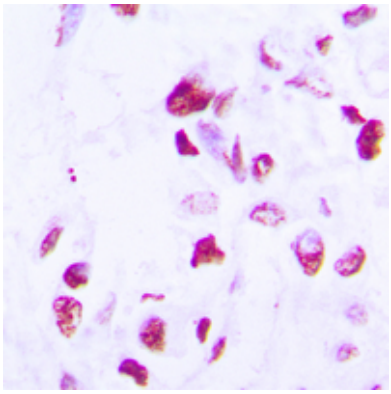
Protein Information

Name	CEBPD
Function	Transcription activator that recognizes two different DNA motifs: the CCAAT homology common to many promoters and the enhanced core homology common to many enhancers (PubMed:16397300). Important transcription factor regulating the expression of genes involved in immune and inflammatory responses (PubMed:16397300, PubMed:1741402). Transcriptional activator that enhances IL6 transcription alone and as heterodimer with CEBPB (PubMed:1741402).
Cellular Location	Nucleus.

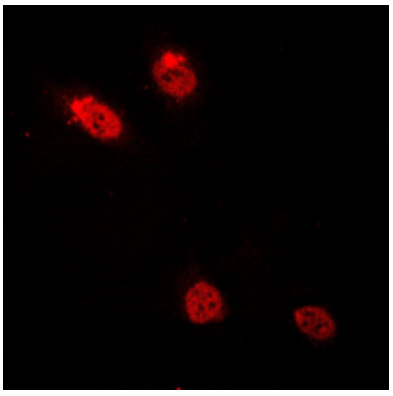
Images



Western blot analysis of C/EBP delta/epsilon expression in CT26 (A), Hela (B) whole cell lysates. (Predicted band size: 28; 30 kD; Observed band size: 28 kD)



Immunohistochemical analysis of C/EBP delta/epsilon staining in human lung cancer 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 delta/epsilon staining in HepG2 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 a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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