Product datasheet

Anti-CEBPA Antibody

Catalog Number: *A00386-1*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-CEBPA Antibody
Gene Name	CEBPA
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, ICC/IF, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human CEBP Alpha/CEBPA recombinant protein (Position: Y138-Q221). Human CEBPA shares 95.2% amino acid (aa) sequence identity with both mouse and rat CEBPA.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	42 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-400 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

CEBPA, CCAAT/enhancer-binding protein alpha is a protein that in humans is encoded by the CEBPA gene. The CEBPA gene is intronless. Using human/hamster somatic cell hybrids containing restricted fragments of human chromosome 19, the CEBPA gene is mapped to chromosome 19q13.1, between the GPI and TGFB1 genes. The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain promoters and enhancers. It can also form heterodimers with the related proteins 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.

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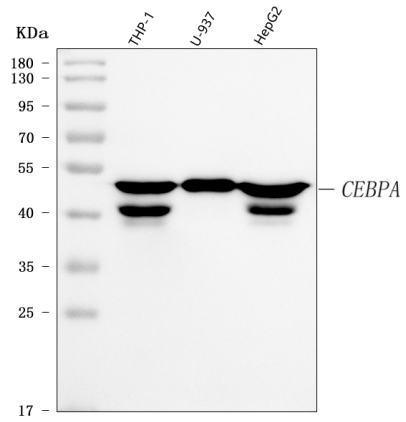
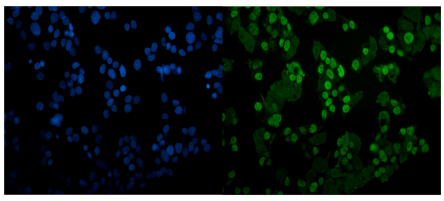
Reference

Anti-CEBPA Antibody 被引用在9文献中。

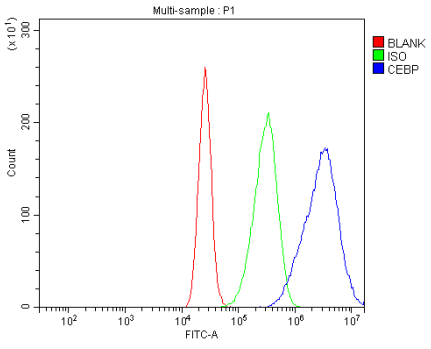
Selected Validation Data



Western blot analysis of anti- CEBPA antibody (A00386-1). The sample well of each lane was loaded with 30ug of sample under reducing conditions.
Lane 1: human THP-1 whole cell lysates,
Lane 2: human U-937 whole cell lysates,
Lane 3: human HepG2 whole cell lysates.
Use rabbit anti- CEBPA 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog#EK1002). A specific band was detected for CEBPA at approximately 42KD. The expected band size for CEBPA is at 37KD.



ICC/IF analysis of CEBPA using anti-CEBPA antibody (A00386-1). CEBPA was detected in an immunocytochemical section of HepG2 cells. The section was incubated with rabbit anti-CEBPA Antibody (A00386-1) at a dilution of 1:100. Fluoro488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of Caco-2 cells using anti-CEBPA antibody (A00386-1).
Overlay histogram showing Caco-2 cells stained with A00386-1 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CEBPA Antibody (A00386-1) at 1:100 dilution for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit

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IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.