

Anti-AEBP2 Antibody

Catalog # AP95653

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q6ZN18
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	54467

Additional Information

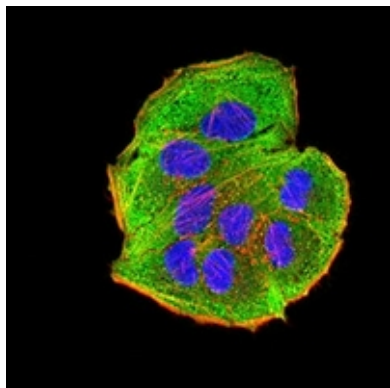
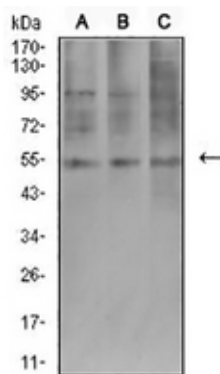
Gene ID	121536
Other Names	Zinc finger protein AEBP2; Adipocyte enhancer-binding protein 2; AE-binding protein 2
Target/Specificity	Recombinant fusion protein of human AEBP2 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

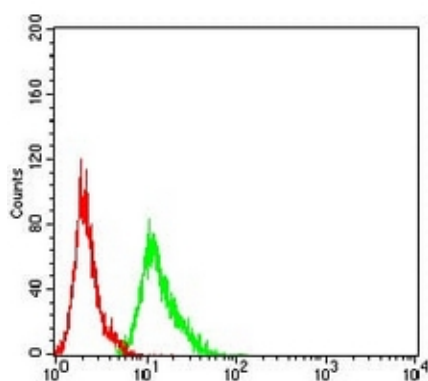
Name	AEBP2
Function	Acts as an accessory subunit for the core Polycomb repressive complex 2 (PRC2), which mediates histone H3K27 (H3K27me3) trimethylation on chromatin leading to transcriptional repression of the affected target gene (PubMed: 15225548 , PubMed: 29499137 , PubMed: 31959557). Plays a role in nucleosome localization of the PRC2 complex (PubMed: 29499137).
Cellular Location	Nucleus. Note=Localizes to chromatin as part of the PRC2 complex

Images

Western blot analysis of AEBP2 expression in COS7 (A), HepG2 (B), SKMES1 (C) whole cell lysates. (Predicted band size: 55 kD; Observed band size: 54 kD)



Immunofluorescent analysis of AEBP2 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 an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of MCF7 cells using Anti-AEBP2 Antibody (green) and negative control (red).

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