

Anti-AEBP2 Picoband Antibody

Catalog # ABO12662

Product Information

Application	WB
Primary Accession	Q6ZN18
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Zinc finger protein AEBP2(AEBP2) detection. Tested with WB in Human.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	121536
Other Names	Zinc finger protein AEBP2, Adipocyte enhancer-binding protein 2, AE-binding protein 2, AEBP2
Calculated MW	54467
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Nucleus .
Source	Eukaryota
Protein Name	Zinc finger protein AEBP2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E.coli-derived human AEBP2 recombinant protein (Position: K424-Q517). Human AEBP2 shares 98.8% amino acid (aa) sequence identity with mouse AEBP2.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

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

Background

Adipocyte Enhancer-Binding Protein is a zinc finger protein that in humans is encoded by the evolutionarily well-conserved gene AEBP2. This gene is mapped to 12p12.3. AEBP2 is a DNA-binding transcriptional repressor. It may regulate the migration and development of the neural crest cells through the PRC2-mediated epigenetic mechanism and is most likely a targeting protein for the mammalian PRC2 complex.

Images



Western blot analysis of AEBP2 expression in HL-60 whole cell lysates (lane 1). AEBP2 at 54KD was detected using rabbit anti- AEBP2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12662) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

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