

**Anti-AEBP2 Picoband Antibody**  
**Catalog # ABO12662****Specification**

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**Anti-AEBP2 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q6ZN18</a>
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.

**Anti-AEBP2 Picoband Antibody - Additional Information**

**Gene ID** 121536

**Other Names**

Zinc finger protein AEBP2, Adipocyte enhancer-binding protein 2, AE-binding protein 2, AEBP2

**Calculated MW**

54467 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**

Nucleus .

**Protein Name**

Zinc finger protein AEBP2

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**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.**

**Anti-AEBP2 Picoband Antibody - 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](http://www.uniprot.org/citations/15225548), PubMed: [29499137](http://www.uniprot.org/citations/29499137), PubMed: [31959557](http://www.uniprot.org/citations/31959557)). Plays a role in nucleosome localization of the PRC2 complex (PubMed: [29499137](http://www.uniprot.org/citations/29499137)).

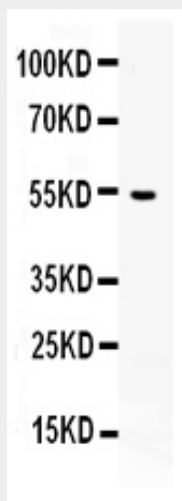
**Cellular Location**

Nucleus. Note=Localizes to chromatin as part of the PRC2 complex

**Anti-AEBP2 Picoband Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-AEBP2 Picoband Antibody - 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 .

#### **Anti-AEBP2 Picoband Antibody - 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.