Datasheet for ABIN4886435

anti-AEBP2 antibody (AA 424-517)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	AEBP2
Binding Specificity:	AA 424-517
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AEBP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-AEBP2 Antibody Picoband®
Immunogen:	E.coli-derived human AEBP2 recombinant protein (Position: K424-Q517). Human AEBP2 shares 98.8% amino acid (aa) sequence identity with mouse AEBP2.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-AEBP2 Antibody Picoband® (ABIN4886435). Tested in Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	AEBP2
Alternative Name:	AEBP2 (AEBP2 Products)
Background:	Synonyms: Zinc finger protein AEBP2,Adipocyte enhancer-binding protein 2,AE-binding protein 2,AEBP2, Tissue Specificity: Ubiquitously expressed, highest levels were found in brain and lung. Isoform 5 is expressed at higher levels in astrocytomas as compared to normal brain tissue and expression increases strikingly with the severity of the tumor, being higher in the most aggressive tumors. . 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.
Molecular Weight:	54 kDa
Gene ID:	121536

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Human Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human1. Imhof, Axel, Kim, Hana, Bakshi, Arundhati, Kim, Joomyeong (2015). "Retrotransposon-Derived Promoter of Mammalian Aebp2". PLOS ONE 10 (4): e0126966. 2. Kim H, Kang K, Kim J (2009). "AEBP2 as a potential targeting protein for Polycomb Repression Complex PRC2". Nucleic Acids Res. 37(9): 2940-50.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images

Western Blotting

Image 1. 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 #) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).