Datasheet for ABIN951460

anti-CEBPA antibody (C-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	CEBPA
Binding Specificity:	AA 310-339, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CEBPA antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 310~339 amino acids from the C-terminal region of human CEBPA
Isotype:	Ig Fraction
Specificity:	This antibody reacts to CEBPA.
Cross-Reactivity (Details):	Species reactivity (tested):Human and Mouse.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	CEBPA
Alternative Name:	CEBPA (CEBPA Products)

Target Details

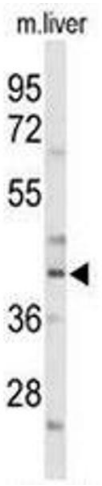
Background:	CEBPA is a bZIP transcription factor which can bind as a homodimer to certain promoters and enhancers. It can also form heterodimers with the related proteins CEBP-beta and CEBP-gamma. This protein has been shown to bind to the promoter and modulate the expression of the gene encoding leptin, a protein that plays an important role in body weight homeostasis. Also, the protein can interact with CDK2 and CDK4, thereby inhibiting these kinases and causing growth arrest in cultured cells.Synonyms: C/EBP alpha, CCAAT/enhancer-binding protein alpha
Molecular Weight:	37561 Da
Gene ID:	1050
NCBI Accession:	NP_004355
Pathways:	Brown Fat Cell Differentiation, Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

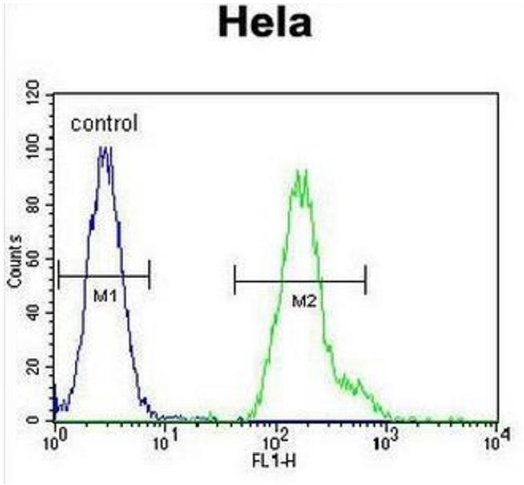
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) 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 undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of CEBPA Antibody (C-term) in mouse liver tissue lysates (35µg/lane). CEBPA (arrow) was detected using the purified Pab.



Flow Cytometry

Image 2. CEBPA Antibody (C-term) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.