

Datasheet for ABIN969048

anti-CEBPA antibody

6 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	CEBPA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CEBPA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Synthesized peptide of human CEBPA (AA: C-RKSRDKAKRNVETKV).
Sequence:	RKSRDKAKRN VETKV
Clone:	5B7
Isotype:	IgG1

Target Details

Target:	CEBPA
Alternative Name:	CEBPA (CEBPA Products)
Background:	Description: The protein encoded by this intronless gene 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. The encoded protein has been shown

Target Details

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 encoded protein can interact with CDK2 and CDK4, thereby inhibiting these kinases and causing growth arrest in cultured cells.
Aliases: CEBP, C/EBP-alpha

Molecular Weight: 42 kDa

Gene ID: 1050

HGNC: 1050

Pathways: [Brown Fat Cell Differentiation](#), [Positive Regulation of fat Cell Differentiation](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

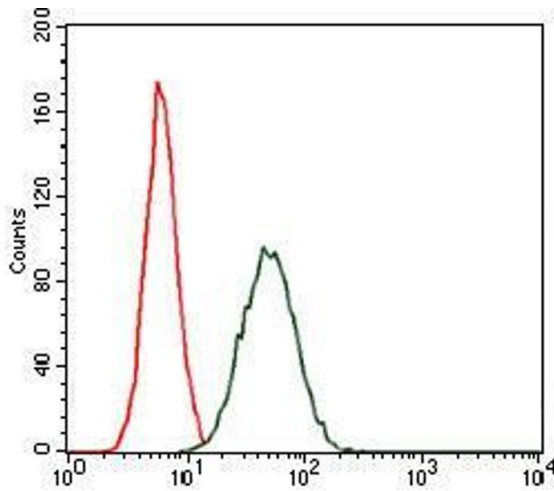
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

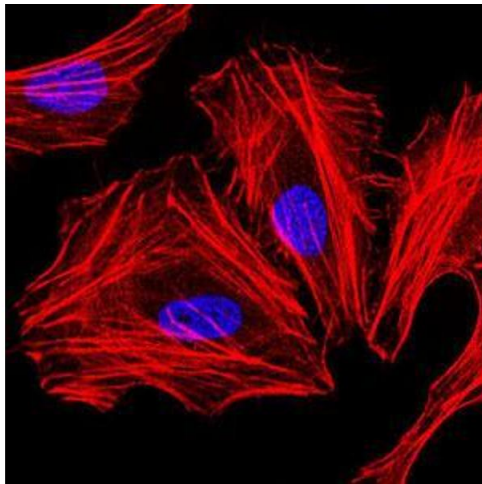
Publications

Product cited in: Jin, Zhang, Yan, Liu, Wang, Ge, Zhai: "C/EBPalpha regulates SIRT1 expression during adipogenesis." in: **Cell research**, Vol. 20, Issue 4, pp. 470-9, (2010) ([PubMed](#)).



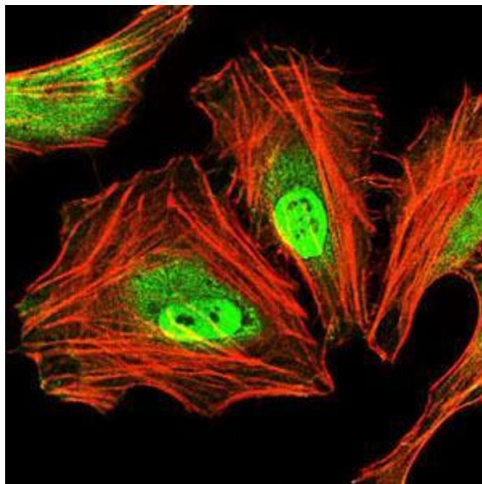
Flow Cytometry

Image 1. Flow cytometric analysis of MCF-7 cells using CEBPA mouse mAb (green) and negative control (red).



Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cells. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Immunofluorescence

Image 3. Immunofluorescence analysis of HeLa cells using CEBPA mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN969048.