

**Product Name: CEBPA Mouse Monoclonal Antibody**  
**Catalog #: AMM81120**



## Summary

<b>Production Name</b>	CEBPA Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ICC,FC,ELISA
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide.
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	CEBPA
<b>Alternative Names</b>	CEBP; C/EBP-alpha
<b>Gene ID</b>	1050.0
<b>SwissProt ID</b>	P49715.Synthesized peptide of human CEBPA (AA: C-RKSRDKAKRNVETKV).

## Application

<b>Dilution Ratio</b>	WB:1:500-1:2000,IHC:1:200-1:1000,ICC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
<b>Molecular Weight</b>	42kDa

## Background

The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain

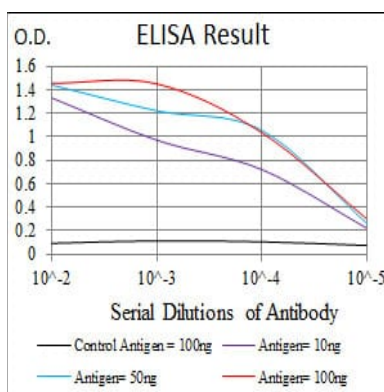
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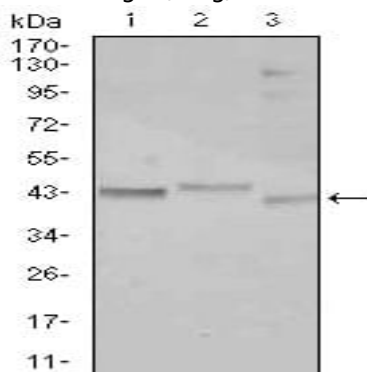
promoters and enhancers. It can also form heterodimers with the related proteins CEBP-beta and CEBP-gamma. The encoded protein has been shown to bind to the promoter and modulate the expression of the gene encoding leptin, a protein that plays an important role in body weight homeostasis. Also, the encoded protein can interact with CDK2 and CDK4, thereby inhibiting these kinases and causing growth arrest in cultured cells.

## Research Area

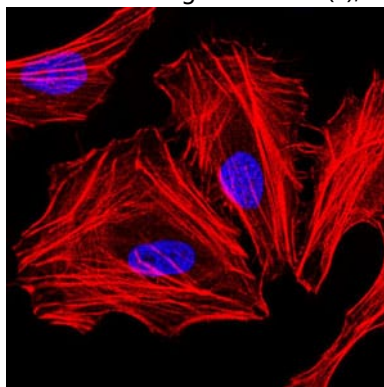
## Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



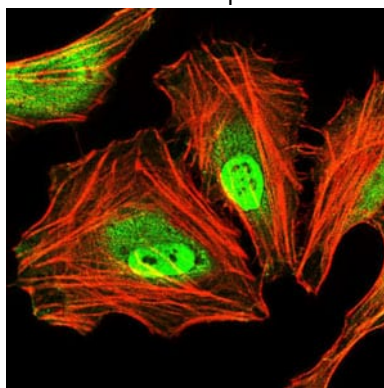
Western blot analysis using CEBPA mouse mAb against Jurkat (1), k562 (2), and HepG2 (3) cell lysate.



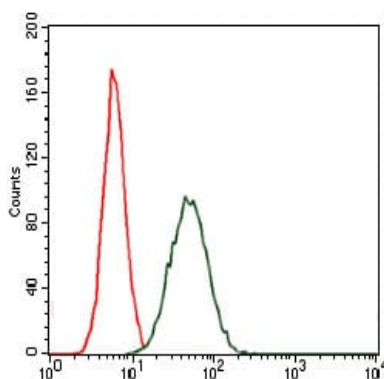
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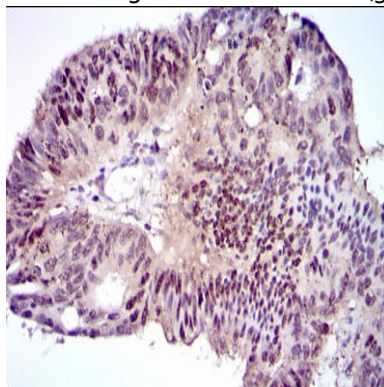
Immunofluorescence analysis of HeLa cells. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



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.



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



Immunohistochemical analysis of paraffin-embedded human rectum tissues using CEBPA mouse mAb with DAB staining.

**Note**

For research use only.