
Product Name: CEBPA Mouse Monoclonal Antibody**Catalog #: AMM81114**

For research use only.

Summary

| | |
|----------------------|---|
| Description | Mouse monoclonal Antibody |
| Host | Mouse |
| Application | WB,ELISA,FC |
| Reactivity | Human |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | Mouse IgG1 |
| Clonality | Monoclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Purified antibody in PBS with 0.05% sodium azide |
| Purification | Affinity Purification |

Application

| | |
|-------------------------|---|
| Dilution Ratio | WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| Molecular Weight | 37.5kDa |

Antigen Information

| | |
|--------------------------|--|
| Gene Name | CEBPA |
| Alternative Names | CEBP; C/EBP-alpha |
| Gene ID | 1050.0 |
| SwissProt ID | P49715 |
| Immunogen | Purified recombinant fragment of human CEBPA expressed in E. Coli. |

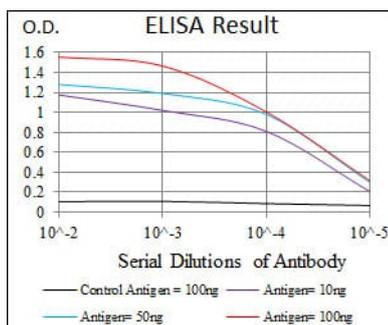
Background

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 to bind to the promoter and modulate the expression of the gene encoding leptin, a protein that plays an

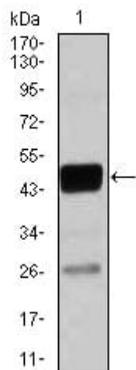
important role in body weight homeostasis. Also, the encoded protein can interact with CDK2 and CDK4, thereby inhibiting these kinases and causing growth arrest in cultured cells.

Research Area

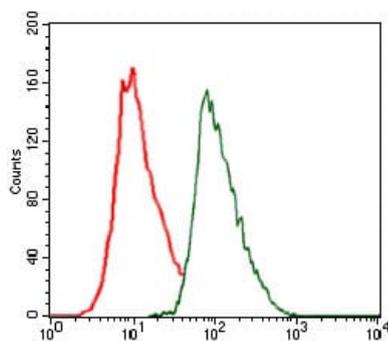
Image Data



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 THP-1 (1)cell lysate.



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