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**Product Name: AEBP2 Mouse Monoclonal Antibody****Catalog #: AMM81839**

For research use only.

**Summary**

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

**Application**

|                         |   |
|-------------------------|---|
| <b>Dilution Ratio</b>   | WB 1:500-1:2000,ICC 1:100-1:500,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| <b>Molecular Weight</b> | 54.5kDa   |

**Antigen Information**

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | AEBP2  |
| <b>Alternative Names</b> | AEBP2  |
| <b>Gene ID</b>           | 121536.0   |
| <b>SwissProt ID</b>      | Q6ZN18   |
| <b>Immunogen</b>         | Purified recombinant fragment of human AEBP2 (AA: 358-495) expressed in E. Coli. |

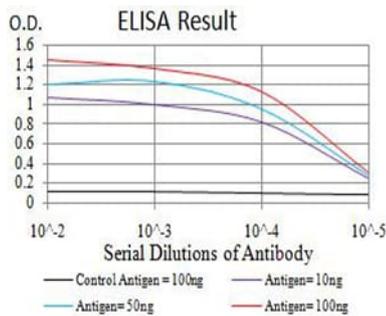
**Background**

AEBP2 (AE Binding Protein 2) is a Protein Coding gene. Among its related pathways are Chromatin organization and Activated PKN1 stimulates transcription of AR (androgen receptor) regulated genes KLK2 and KLK3. GO annotations related to this gene include RNA polymerase II core promoter proximal region sequence-specific DNA binding and transcriptional repressor

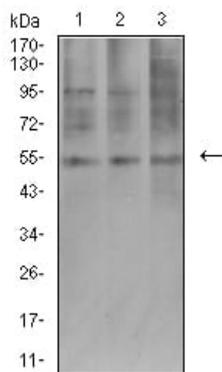
activity, RNA polymerase II core promoter proximal region sequence-specific binding.

## Research Area

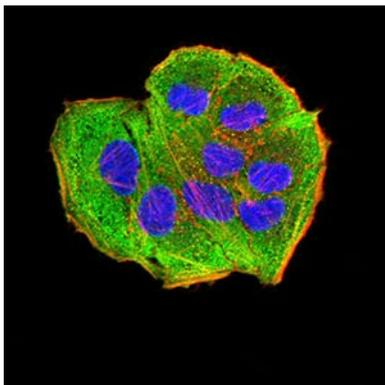
## Image Data



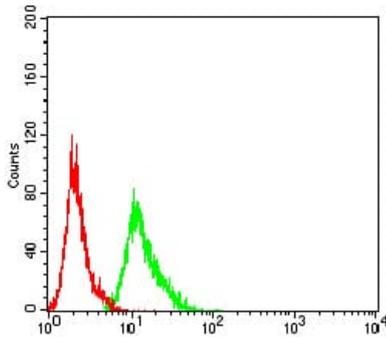
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using AEBP2 mouse mAb against COS7 (1), HepG2 (2), and SK-MES-1 (3) cell lysate.



Immunofluorescence analysis of HeLa cells using AEBP2 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 AEBP2 mouse mAb (green) and negative control (red).