

# AEBP2

Purified Mouse Monoclonal Antibody  
Catalog # AO2516a

## Product Information

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| <b>Application</b>       | WB, IHC, ICC, E  |
| <b>Primary Accession</b> | <a href="#">Q6ZN18</a>   |
| <b>Reactivity</b>        | Human  |
| <b>Host</b>              | Mouse  |
| <b>Clonality</b>         | Monoclonal   |
| <b>Clone Names</b>       | 3E3C10   |
| <b>Isotype</b>           | Mouse IgG1   |
| <b>Calculated MW</b>     | 54467  |
| <b>Immunogen</b>         | Purified recombinant fragment of human AEBP2 (AA: 358-495) expressed in E. Coli. |
| <b>Formulation</b>       | Purified antibody in PBS with 0.05% sodium azide                                 |

## Additional Information

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| <b>Gene ID</b>     | 121536   |
| <b>Other Names</b> | Zinc finger protein AEBP2, Adipocyte enhancer-binding protein 2, AE-binding protein 2, AEBP2   |
| <b>Dilution</b>    | WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~ 1/100 - 1/500 E~~ 1/10000   |
| <b>Storage</b>     | Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| <b>Precautions</b> | AEBP2 is for research use only and not for use in diagnostic or therapeutic procedures.  |

## Protein Information

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|--------------------------|---|
| <b>Name</b>              | AEBP2   |
| <b>Function</b>          | Acts as an accessory subunit for the core Polycomb repressive complex 2 (PRC2), which mediates histone H3K27 (H3K27me3) trimethylation on chromatin leading to transcriptional repression of the affected target gene (PubMed: <a href="#">15225548</a> , PubMed: <a href="#">29499137</a> , PubMed: <a href="#">31959557</a> ). Plays a role in nucleosome localization of the PRC2 complex (PubMed: <a href="#">29499137</a> ). |
| <b>Cellular Location</b> | Nucleus. Note=Localizes to chromatin as part of the PRC2 complex  |

## References

1.PLoS One. 2015 Apr 27;10(4):e0126966.2. Elife. 2012 Oct 30;1:e00005.

## Images

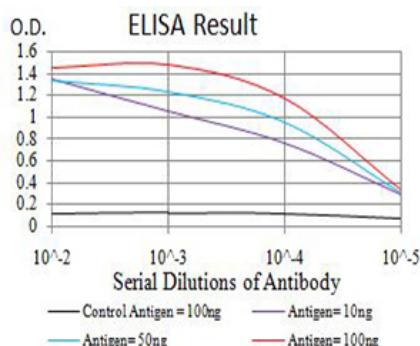


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

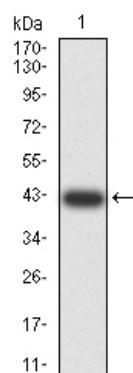


Figure 2: Western blot analysis using AEBP2 mAb against human AEBP2 (AA: 358-495) recombinant protein. (Expected MW is 41.8 kDa)

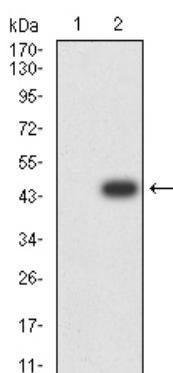


Figure 3: Western blot analysis using AEBP2 mAb against HEK293 (1) and AEBP2 (AA: 358-495)-hIgGFc transfected HEK293 (2) cell lysate.

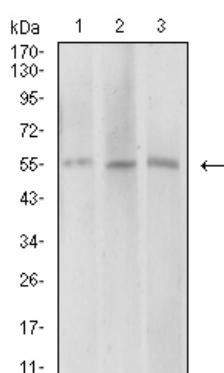
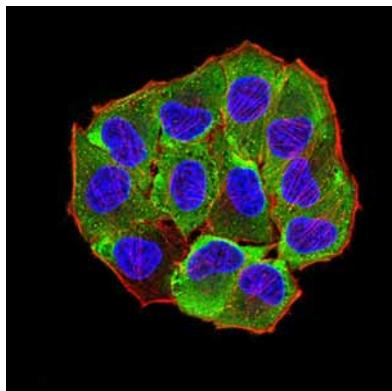


Figure 4: Western blot analysis using AEBP2 mouse mAb against COS7 (1), HepG2 (2), and SK-MES-1 (3) cell lysate.

Figure 5: 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. Secondary antibody from Fisher (Cat#: 35503)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.