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AEBP2

Purified Mouse Monoclonal Antibody
Catalog # AO2515a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q6ZN18
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	2D7B6
Isotype	Mouse IgG1
Calculated MW	54467
Immunogen	Purified recombinant fragment of human AEBP2 (AA: 358-495) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	121536
Other Names	Zinc finger protein AEBP2, Adipocyte enhancer-binding protein 2, AE-binding protein 2, AEBP2
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~ 1/100 - 1/500 E~~ 1/10000
Storage	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.
Precautions	AEBP2 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	AEBP2
Function	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:15225548, PubMed:29499137, PubMed:31959557). Plays a role in nucleosome localization of the PRC2 complex (PubMed:29499137).
Cellular Location	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

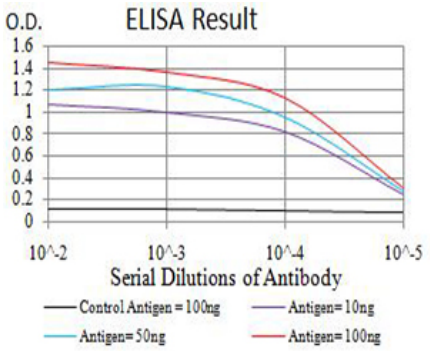


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

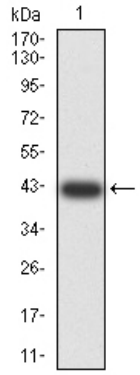


Figure 2:Western blot analysis using AEBP2 mAb against human AEBP2 (AA: 358-495) recombinant protein. (Expected MW is 41.8 kDa)

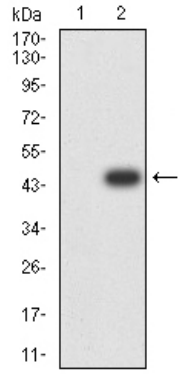


Figure 3:Western blot analysis using AEBP2 mAb against HEK293 (1) and AEBP2 (AA: 358-495)-hIgGFc transfected HEK293 (2) cell lysate.

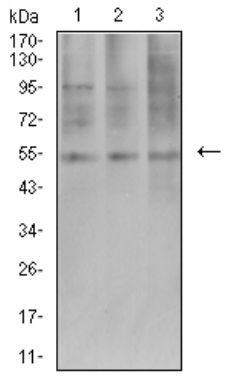
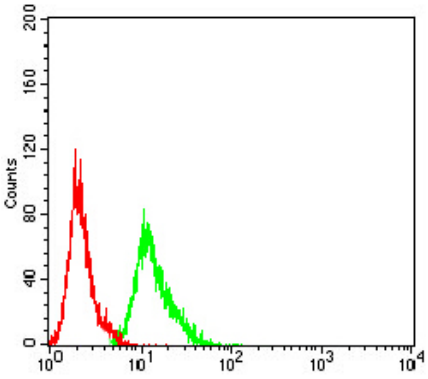


Figure 4:Western blot analysis using AEBP2 mouse mAb against COS7 (1), HepG2 (2), and SK-MES-1 (3) cell lysate.

Figure 6:Flow cytometric analysis of MCF-7 cells using AEBP2 mouse mAb (green) and negative control (red).



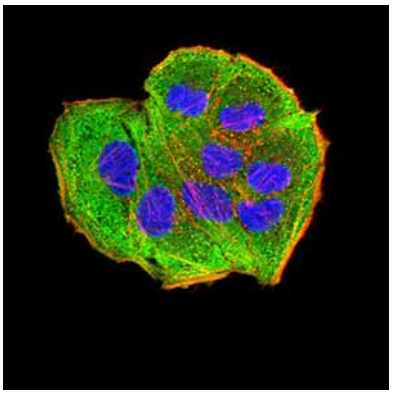


Figure 5:Immunofluorescence analysis of Hela cells using AEBP2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

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