

AEBP1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant AEBP1.****Catalog # AT1062a****Specification**

AEBP1 Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, E
Primary Accession	Q8IUX7
Other Accession	NM_001129
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	130929

AEBP1 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 165**Other Names**

Adipocyte enhancer-binding protein 1, AE-binding protein 1, Aortic carboxypeptidase-like protein, AEBP1, ACLP

Target/Specificity

AEBP1 (NP_001120, 912 a.a. ~ 1013 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

AEBP1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

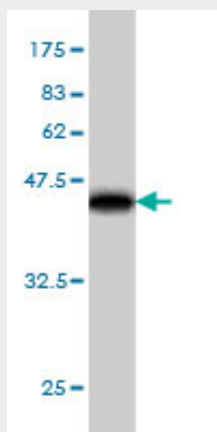
AEBP1 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

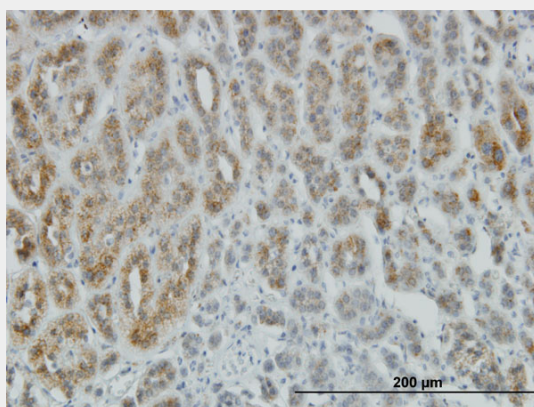
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

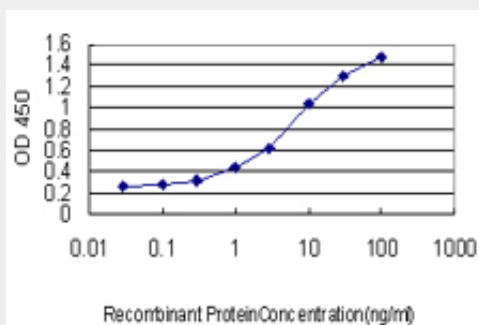
AEBP1 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.96 KDa) .



Immunoperoxidase of monoclonal antibody to AEBP1 on formalin-fixed paraffin-embedded human adrenal gland. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged AEBP1 is approximately 0.3ng/ml as a capture antibody.

AEBP1 Antibody (monoclonal) (M01) - Background

The adipocyte enhancer binding protein 1 is a transcriptional repressor with carboxypeptidase (CP) activity. This protein binds to a regulatory sequence, adipocyte enhancer 1 (AE-1), located in the proximal promoter region of the adipose P2 (aP2) gene, which encodes the adipocyte fatty-acid binding protein. It is characterized as a member of the regulatory B-like CP family. This protein seems to be activated by a novel mechanism, whereby the direct binding of DNA enhances its protease activity. Adipocyte-enhancer binding protein 1 may play a role in differentiated vascular smooth muscle cells.

AEBP1 Antibody (monoclonal) (M01) - References

PPARgamma1 and LXRAalpha face a new regulator of macrophage cholesterol homeostasis and inflammatory responsiveness, AEBP1. Majdalawieh A, et al. Nucl Recept Signal, 2010 Apr 16. PMID 20419060. Aortic carboxypeptidase-like protein is expressed in fibrotic human lung and its absence protects against bleomycin-induced lung fibrosis. Schissel SL, et al. Am J Pathol, 2009 Mar. PMID 19179605. The role of AEBP1 in sex-specific diet-induced obesity. Zhang L, et al. Mol Med, 2005 Jan-Dec. PMID 16307171. Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039. Human chromosome 7: DNA sequence and biology. Scherer SW, et al. Science, 2003 May 2. PMID 12690205.