

AEBP1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant AEBP1.

Catalog # AT1062a

Product Information

Application	WB, IHC, E
Primary Accession	Q8IUX7
Other Accession	NM_001129
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1D2
Calculated MW	130929

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.

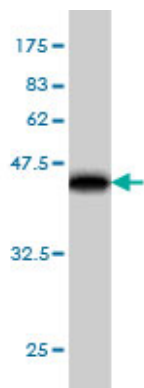
Background

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.

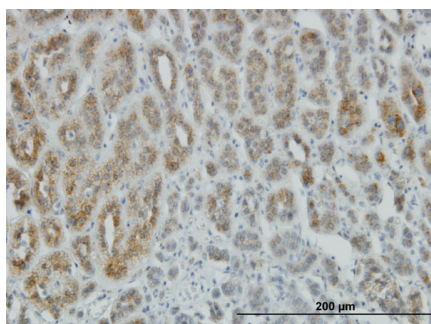
References

PPARgamma1 and LXRalpha 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.

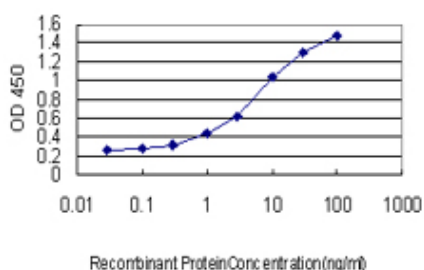
Images



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.

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