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AEBP1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10098c

Product Information

Application	WB, E
Primary Accession	Q8IUX7
Other Accession	NP_001120.3
Reactivity	Human
Predicted	Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB16806
Calculated MW	130929
Antigen Region	334-364

Additional Information

Gene ID	165
Other Names	Adipocyte enhancer-binding protein 1, AE-binding protein 1, Aortic carboxypeptidase-like protein, AEBP1, ACLP
Target/Specificity	This AEBP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 334-364 amino acids from the Central region of human AEBP1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	AEBP1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	AEBP1
Synonyms	ACLP

Function	[Isoform 1]: As a positive regulator of collagen fibrillogenesis, it is probably involved in the organization and remodeling of the extracellular matrix.
Cellular Location	[Isoform 1]: Secreted {ECO:0000250|UniProtKB:Q640N1}
Tissue Location	Expressed in osteoblast and visceral fat.

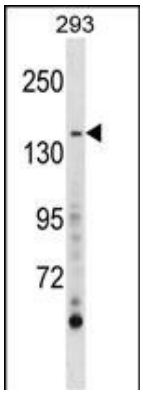
Background

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

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Schissel, S.L., et al. Am. J. Pathol. 174(3):818-828(2009)
Zhang, L., et al. Mol. Med. 11 (1-12), 39-47 (2005) :
Layne, M.D., et al. Mol. Cell. Biol. 21(15):5256-5261(2001)
Muise, A.M., et al. Biochem. J. 343 PT 2, 341-345 (1999) :

Images



AEBP1 Antibody (Center) (Cat. #AP10098c) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the AEBP1 antibody detected the AEBP1 protein (arrow).

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