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EBP Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9004a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q15125
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23728
Calculated MW	26353
Antigen Region	1-30

Additional Information

Gene ID	10682
Other Names	3-beta-hydroxysteroid-Delta(8), Delta(7)-isomerase, Cholestenol Delta-isomerase, Delta(8)-Delta(7) sterol isomerase, D8-D7 sterol isomerase, Emopamil-binding protein, EBP
Target/Specificity	This EBP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human EBP.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. 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	EBP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	EBP (HGNC:3133)
Function	Isomerase that catalyzes the conversion of Delta(8)-sterols to their

	corresponding Delta(7)-isomers a catalytic step in the postlanosterol biosynthesis of cholesterol.
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein. Nucleus envelope Cytoplasmic vesicle. Note=During interphase, detected on the endoplasmic reticulum and the nuclear envelope. During mitosis, detected on cytoplasmic vesicles

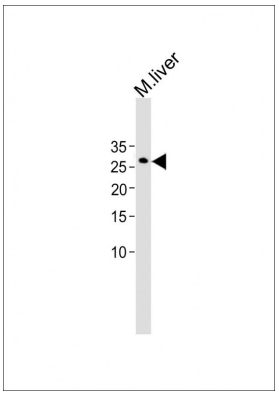
Background

EBP catalyzes the conversion of Delta(8)-sterols to their corresponding Delta(7)-isomers.

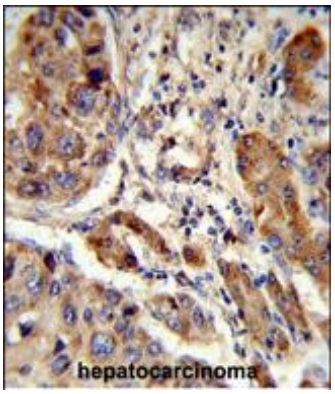
References

Rakheja,D., et.al., Pediatr. Dev. Pathol. 10 (2), 142-148 (2007)

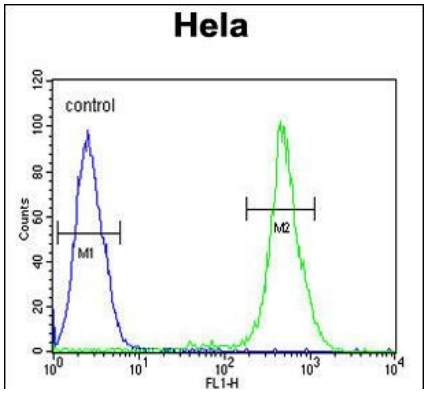
Images



All lanes: Anti-EBP Antibody (N-term) at 1:500 dilution + Mouse liver lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 26. 4 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with EBP Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



EBP Antibody (N-term) (Cat. #AP9004a) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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