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### Datasheet for ABIN7266934

# anti-EBP antibody (AA 50-150)





#### Overview

Quantity:	100 μL
Target:	EBP
Binding Specificity:	AA 50-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EBP antibody is un-conjugated
Application:	Western Blotting (WB)

## **Product Details**

Purpose:	EBP Rabbit pAb
lmmunogen:	A synthetic peptide corresponding to a sequence within amino acids 50-150 of human EBP (NP_006570.1).
Sequence:	SGRAAVVPLG TWRRLSLCWF AVCGFIHLVI EGWFVLYYED LLGDQAFLSQ LWKEYAKGDS RYILGDNFTV CMETITACLW GPLSLWVVIA FLRQHPLRFI L
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

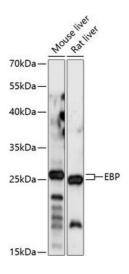
# **Target Details**

Target:	EBP
Alternative Name:	EBP (EBP Products)
Background:	The protein encoded by this gene is an integral membrane protein of the endoplasmic
	reticulum. It is a high affinity binding protein for the antiischemic phenylalkylamine Ca2+
	antagonist [3H]emopamil and the photoaffinity label [3H]azidopamil. It is similar to sigma
	receptors and may be a member of a superfamily of high affinity drug-binding proteins in the
	endoplasmic reticulum of different tissues. This protein shares structural features with
	bacterial and eukaryontic drug transporting proteins. It has four putative transmembrane
	segments and contains two conserved glutamate residues which may be involved in the
	transport of cationic amphiphilics. Another prominent feature of this protein is its high content
	of aromatic amino acid residues (>23 $\%$ ) in its transmembrane segments. These aromatic
	amino acid residues have been suggested to be involved in the drug transport by the P-
	glycoprotein. Mutations in this gene cause Chondrodysplasia punctata 2 (CDPX2, also known
	as Conradi-Hunermann syndrome).,EBP,CDPX2,CH02,CPX,CPXD,MEND,Cancer,Tumor
	biomarkers, Signal Transduction, Kinase, Tyrosine kinases, Endocrine & Metabolism, Lipid
	Metabolism,Cholesterol Metabolism,Drug metabolism,Cardiovascular,Lipids,EBP
Molecular Weight:	26kDa
Gene ID:	10682
JniProt:	Q15125
Application Details	
Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only
Handling	
-ormat:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.

Storage Comment:

Store at -20°C. Avoid freeze / thaw cycles.

#### **Images**



#### **Western Blotting**

Image 1. Western blot analysis of extracts of various cell lines, using EBP antibody (ABIN7266934) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.