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# Datasheet for ABIN1881278 anti-EBP antibody (C-Term)

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### Overview

Quantity:	400 μL
Target:	EBP
Binding Specificity:	AA 201-230, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EBP antibody is un-conjugated
Application:	Western Blotting (WB)

# Product Details

Immunogen:	This EBP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 201-230 amino acids from the C-terminal region of human EBP.
Clone:	RB41564
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide 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

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	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).
Molecular Weight:	26353
NCBI Accession:	NP_006570
UniProt:	Q15125

# **Application Details**

Application Notes:	WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with $0.00\%$ (W/V) sodium azide

Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Expiry Date:	6 months

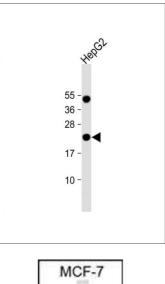
## Publications

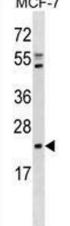
Product cited in:

Si, Ali, Latip, Fauzi, Budin, Zainalabidin: "Roselle is cardioprotective in diet-induced obesity rat model with myocardial infarction." in: **Life sciences**, Vol. 191, pp. 157-165, (2017) (PubMed).

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#### Images





### Western Blotting

**Image 1.** Anti-EBP Antibody (C-term) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 26 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

#### Western Blotting

**Image 2.** EBP Antibody (C-term) (ABIN1881278 and ABIN2838706) western blot analysis in MCF-7 cell line lysates (35 µg/lane).This demonstrates the EBP antibody detected the EBP protein (arrow).

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