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Anti-EBP1 Antibody

Catalog # AP61030

Product Information

Application	WB
Primary Accession	Q9UQ80
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43787

Additional Information

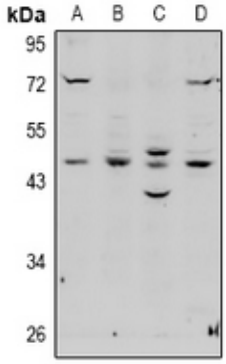
Gene ID	5036
Other Names	EBP1; Proliferation-associated protein 2G4; Cell cycle protein p38-2G4 homolog; hG4-1; ErbB3-binding protein 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EBP1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	PA2G4
Synonyms	EBP1
Function	May play a role in a ERBB3-regulated signal transduction pathway. Seems be involved in growth regulation. Acts a corepressor of the androgen receptor (AR) and is regulated by the ERBB3 ligand neuregulin-1/heregulin (HRG). Inhibits transcription of some E2F1- regulated promoters, probably by recruiting histone acetylase (HAT) activity. Binds RNA. Associates with 28S, 18S and 5.8S mature rRNAs, several rRNA precursors and probably U3 small nucleolar RNA. May be involved in regulation of intermediate and late steps of rRNA processing. May be involved in ribosome assembly. Mediates cap-independent translation of specific viral IRESs (internal ribosomal entry site) (By similarity). Regulates cell proliferation, differentiation, and survival. Isoform 1 suppresses apoptosis whereas isoform 2 promotes cell differentiation (By similarity).

Cellular Location	[Isoform 1]: Cytoplasm. Nucleus, nucleolus Note=Translocates to the nucleus upon treatment with HRG Phosphorylation at Ser-361 by PKC/PRKCD regulates its nucleolar localization.
Tissue Location	Isoform 2 is undetectable whereas isoform 1 is strongly expressed in cancer cells (at protein level). Isoform 1 and isoform 2 are widely expressed, including heart, brain, lung, pancreas, skeletal muscle, kidney, placenta and liver

Images



Western blot analysis of EBP1 expression in HepG2 (A), A549 (B), C6 (C), AML12 (D) whole cell lysates. (Predicted band size: 43 kD; Observed band size: 44 kD)

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