

C/EBP- α (Phospho-Thr230) Antibody

Catalog No: #11788

Package Size: #11788-1 50ul #11788-2 100ul

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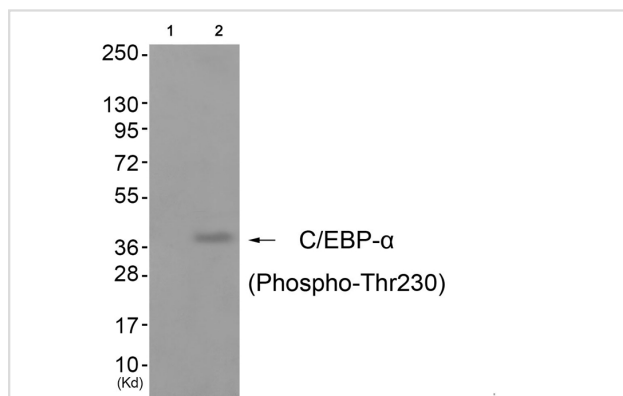
Description

Product Name	C/EBP- α (Phospho-Thr230) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The Antibody detects endogenous levels of C/EBP- α only when phosphorylated at Thr230.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 230 (P-P-T(p)-P-V) derived from Human C/EBP- α .
Target Name	C/EBP- α
Modification	Phospho
Other Names	CCAAT/enhancer-binding protein alpha C/EBP alpha CEBPA;
Accession No.	Swiss-Prot#: P49715; NCBI Gene#: 1050; NCBI Protein#: NP_004355.2.
SDS-PAGE MW	42kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from cos-7 cells (Lane 2), using C/EBP- α (Phospho-Thr230) Antibody #11788. The lane on the left is treated with antigen-specific peptide.

Background

The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain promoters and enhancers. It can also form heterodimers with the related proteins CEBP-beta and CEBP-gamma. The encoded protein has been shown to bind to the promoter and modulate the expression of the gene encoding leptin, a protein that plays an important role in body weight homeostasis. Also, the encoded protein can interact with CDK2 and CDK4, thereby inhibiting these kinases and causing growth arrest in cultured cells.

Xanthopoulos K.G. Biochem. Biophys. Res. Commun. 215:106-113(1995)

Schalwijk J. Biol. Chem. Hoppe-Seyler 378:373-379(1997)

SeattleSNPs variation discovery resource Submitted (JUL-2007) to the EMBL/GenBank/DDBJ databases

Note: This product is for in vitro research use only and is not intended for use in humans or animals.