

C/EBP β (Δ 198): sc-4067 WB

BACKGROUND

The transcription factor C/EBP α (CCAAT-enhancer binding protein) is a heat-stable, sequence-specific DNA-binding protein first purified from rat liver nuclei that binds avidly to several different cis-regulatory DNA sequences commonly associated with viral and cellular genes transcribed by RNA polymerase II. C/EBP α regulates gene expression in a variety of tissues including liver, adipose, lung and intestine. C/EBP α uses a bipartite structural motif to bind DNA. Two protein chains dimerize through a set of amphipathic α helices termed the leucine zipper. Highly basic polypeptide regions emerge from the zipper to form a linked set of DNA contact surfaces. C/EBP α appears to function exclusively in terminally differentiated, growth-arrested cells. Additional family members include C/EBP ϵ , C/EBP β , C/EBP δ and C/EBP γ , all of which exhibit similar DNA-binding specificities and affinities to C/EBP α . Furthermore, C/EBP β and C/EBP δ readily form heterodimers both with each other and with C/EBP α .

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SOURCE

C/EBP β (Δ 198) is expressed in *E. coli* as a 48 kDa tagged fusion protein corresponding to amino acids 199-345 mapping at the carboxy terminal domain of C/EBP β of human origin.

STORAGE

Store at -20° C; stable for one year from the date of shipment.

PRODUCT

C/EBP β (Δ 198) is purified from bacterial lysates (>98%) by glutathione agarose affinity chromatography; supplied as 10 μ g in 0.1 ml SDS-PAGE loading buffer.

APPLICATIONS

C/EBP β (Δ 198) is suitable as a Western blotting control for sc-150, sc-746 and sc-7962.

RESEARCH USE

For research use only, not for use in diagnostic procedures.