

Datasheet for ABIN6699729

CBP Protein (GST tag)



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Overview

Quantity:	20 µg
Target:	CBP (CREBBP)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CBP protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	CBP recombinant protein-GST fusion protein
Purification:	Recombinant human CBP (1319-1710) was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Purity:	>90%

Target Details

Target:	CBP (CREBBP)
Alternative Name:	CREBBP (CREBBP Products)
Background:	Synonyms: CREB Binding Protein, CREBBP, RTS, RSTS, CBP Background: CBP or CREB-binding protein is a nuclear transcriptional coactivator protein that binds specifically to the PKA-phosphorylated form of the CREB protein. Microinjection of an

Target Details

anti-CBP antiserum into fibroblasts leads to inhibition of transcription from a cAMP promoter (1). CBP can also cooperates with upstream activators, such as JUN. When JUN is phosphorylated at the transcriptionally stimulatory sites ser73 and ser63, it binds CBP with comparable affinity to CREB. Insulin signaling may directly regulate many cAMP signaling pathways at the transcriptional level by controlling CBP recruitment (2). Mutant CBP can be aberrantly recruited to CREB protein, resulting in inappropriate activation of gluconeogenesis and glucose intolerance. CBP Protein is ideal for investigators involved in Signaling Proteins, Transcription Proteins, Apoptosis/Autophagy, Cardiovascular Disease, ERK/MAPK Pathway, Inflammation, Invasion/Metastasis, Metabolic Disorder, Neurobiology, NfκB Pathway, and PKA/PKC Pathway research.

NCBI Accession:	NM_004380
Pathways:	TCR Signaling , Interferon-gamma Pathway , Stem Cell Maintenance , Chromatin Binding , Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Application_Note: CBP Protein is suitable for use in Western Blot. Expect a band approximately ~ 71 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 µg/µL
Buffer:	CBP Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiry Date:	12 months