

Datasheet for ABIN6699731 **CBP Protein (GST tag)**



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Overview

Quantity:	20 µg
Target:	CBP (CREBBP)
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CBP protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	KAT3A (CREBBP) recombinant protein-GST fusion protein
Purification:	Recombinant human KAT3A (518-1207) was expressed by baculovirus in Sf9 insect 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: CREBBP, CBP, KAT3A, RSTS, CREB-binding protein Background: KAT3A has intrinsic histone acetyltransferase activity that acts as a scaffold to stabilize additional protein interactions with the transcription complex and acetylates both

Target Details

histone and non-histone proteins. KAT3A (CREBBP) expressed as a nuclear protein that binds to cAMP-response element binding protein (CREB) and involved in the transcriptional coactivation of many different transcription factors. KAT3A plays a main role in embryonic development, growth control, and homeostasis by coupling chromatin remodeling to transcription factor recognition (1). KAT3A also plays a critical role in the transmission of inductive signals from cell surface receptors to the transcriptional apparatus (2). KAT3A Protein is ideal for investigators involved in Signaling Proteins, Acetyl/Methyltransferase Proteins, Apoptosis/Autophagy, Cancer, Cardiovascular Disease, Cell Cycle, 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: KAT3A Protein is suitable for use in Western Blot. Expect a band approximately ~65 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: 0.1 µg/µL

Buffer: KAT3A 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