

Datasheet for ABIN6699785

p300 Protein (GST tag)



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Overview

Quantity:	20 µg
Target:	p300 (EP300)
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This p300 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	KAT3B (EP300) recombinant protein-GST fusion protein
Purification:	Recombinant human KAT3B (EP300) (532-1153, contains the catalytic domain) was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >80% by densitometry.
Purity:	>80%

Target Details

Target:	p300 (EP300)
Alternative Name:	EP300 (EP300 Products)
Background:	Synonyms: KAT3B, EP300, p300, Histone acetyltransferase p300 Background: KAT3B (also known as EP300) encodes the adenovirus E1A-associated cellular p300 transcriptional co-activator protein that functions as a histone acetyltransferase. KAT3B

Target Details

regulates transcription via chromatin remodeling and is important in the processes of cell proliferation and differentiation. KAT3B binding is a highly accurate process and can be used for identifying enhancers and their associated activities (1). KAT3B is also useful in the study of the role of tissue-specific enhancers in human biology and diseases on a genome wide scale. Defects in KAT3B gene are a cause of Rubinstein-Taybi syndrome that play a important role in epithelial cancer and act as a classic tumor suppressor gene (2). KAT3B 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_001429](#)

Pathways: [p53 Signaling](#), [Notch Signaling](#), [Interferon-gamma Pathway](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Regulation of Lipid Metabolism by PPARalpha](#), [Regulation of Muscle Cell Differentiation](#), [Regulation of Cell Size](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: KAT3B Protein is suitable for use in Western Blot. Expect a band approximately ~120 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: KAT3B 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.

Handling

Expiry Date: 12 months