Datasheet for ABIN2745869

KAT5 Protein (His tag)

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Overview

Quantity:	2 µg
Target:	KAT5
Origin:	Human
Source:	Insect cells (Sf21)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This KAT5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	TIP60 (human) (rec.) (His) (highly active)
Cross-Reactivity:	Human
Characteristics:	Human TIP60 is fused to a His-tag.
Purity:	>95 % (SDS-PAGE)
Biological Activity Comment:	100-200ng are required for standard HAT assay.

Target Details

Target:	KAT5
Alternative Name:	TIP60 (KAT5 Products)
Background:	Histone Acetyltransferase HTATIP, Histone Acetyltransferase KAT5, Lysine Acetyltransferase 5,

Target Details

	60 kDa Tat-interactive Protein TIP60 is the catalytic subunit of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of selected genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome-DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex is required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage. TIP60 directly acetylates and activates ataxia-telangiectasia mutated (ATM). In case of HIV-1 infection, interaction with the viral Tat protein leads to KAT5 polyubiquitination and targets it to degradation.
UniProt:	Q92993
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	In 50 mM TRIS-HCl, pH 7.5, containing 100 mM sodium chloride, 0.2 % NP-40, 50 mM imidazole and 10 % glycerol.
Handling Advice:	After opening, prepare aliquots and store at -80 °C. Avoid freeze/thaw cycles.
Storage:	-20 °C,-80 °C
Storage Comment:	Short Term Storage: -20°C Long Term Storage: -80°C Use & Stability: Stable for at least 6 months after receipt when stored at -80°C.
Expiry Date:	6 months