

Datasheet for ABIN6243420  
**anti-KAT5 antibody (AA 367-398)**



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1 Image

## Overview

Quantity:	200 µL
Target:	KAT5
Binding Specificity:	AA 367-398
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KAT5 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This KAT5 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 367-398 amino acids from human KAT5.
Clone:	RB53893
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	KAT5
Alternative Name:	KAT5 ( <a href="#">KAT5 Products</a> )
Background:	Catalytic subunit of the NuA4 histone acetyltransferase complex which is involved in

## Target Details

transcriptional activation of select 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 may be 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. Directly acetylates and activates ATM. Component of a SWR1-like complex that specifically mediates the removal of histone H2A.Z/H2AFZ from the nucleosome. In case of HIV-1 infection, interaction with the viral Tat protein leads to KAT5 polyubiquitination and targets it to degradation. Relieves NR1D2-mediated inhibition of APOC3 expression by acetylating NR1D2.

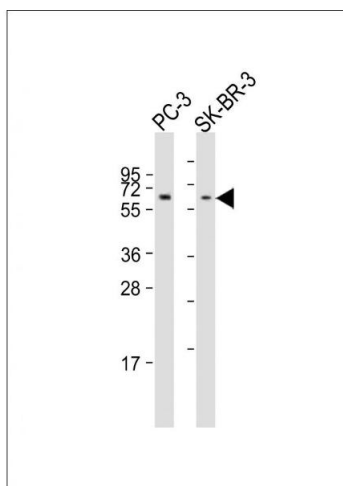
Molecular Weight:	58582
UniProt:	<a href="#">Q92993</a>
Pathways:	<a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a>

## Application Details

Application Notes:	WB: 1:2000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



#### Western Blotting

**Image 1.** All lanes : Anti-KAT5 Antibody (C-Term) at 1:2000 dilution Lane 1: PC-3 whole cell lysate Lane 2: SK-BR-3 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 59 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.