Datasheet for ABIN4911293

# anti-KAT5 antibody (pSer90)

1 Image

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | KAT5 |
| Binding Specificity: | pSer90 |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This KAT5 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

| | |
|---|---|
| Immunogen: | KLH conjugated synthesised phosphopeptide derived from human KAT5 around the phosphorylation site of Ser90 |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse |
| Predicted Reactivity: | Human,Rat,Cow,Sheep,Pig,Horse,Rabbit |
| Purification: | Purified by Protein A. |

## Target Details

| | |
|---|---|
| Target: | KAT5 |
| Alternative Name: | KAT5 (KAT5 Products) |
| Background: | Synonyms: TIP, ESA1, PLIP, TIP60, cPLA2, HTATIP, ZC2HC5, HTATIP1, Histone acetyltransferase KAT5, 60 kDa Tat-interactive protein, Histone acetyltransferase HTATIP, HIV-1 Tat interactive protein, Lysine acetyltransferase 5, cPLA(2)-interacting protein, KAT5 Background: Catalytic subunit of the NuA4 histone acetyltransferase complex which is involved in 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. Promotes FOXP3 acetylation and positively regulates its transcriptional repressor activity (PubMed:17360565). |
| Gene ID: | 10524 |
| UniProt: | Q92993 |
| Pathways: | Intracellular Steroid Hormone Receptor Signaling Pathway |

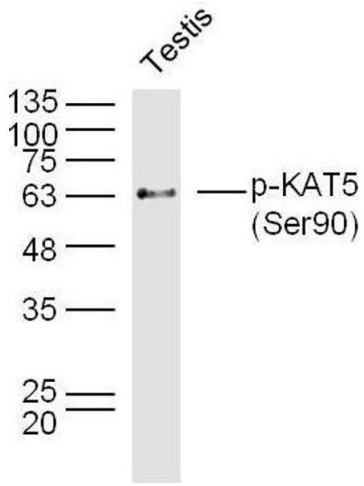
## Application Details

| | |
|---|---|
| Application Notes: | WB 1:300-5000<br>ELISA 1:500-1000<br>IHC-P 1:200-400<br>IHC-F 1:100-500<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200<br>ICC 1:100-500 |
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Liquid |
| Concentration: | 1 μg/μL |
| Buffer: | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |

## Images




**Western Blotting**

**Image 1.** Mouse testis lysates probed with KAT5 (Ser90) Polyclonal Antibody, Unconjugated at 1:300 overnight at 4˚C. Followed by a conjugated secondary antibody -HRP) at 1:5000 for 90 min at 37˚C.