

Datasheet for ABIN7155274
anti-KAT5 antibody (AA 3-512)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	KAT5
Binding Specificity:	AA 3-512
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KAT5 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Histone acetyltransferase KAT5 protein (3-512AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	KAT5
Alternative Name:	KAT5 (KAT5 Products)
Background:	Background: Catalytic subunit of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones

Target Details

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. In case of HIV-1 infection, interaction with the viral Tat protein leads to KAT5 polyubiquitination and targets it to degradation.

Aliases: 60 kDa Tat interactive protein antibody, 60 kDa Tat-interactive protein antibody, cPLA(2) interacting protein antibody, cPLA(2)-interacting protein antibody, cPLA2 antibody, cPLA2 interacting protein antibody, ESA1 antibody, Histone acetyltransferase HTATIP antibody, Histone acetyltransferase KAT5 antibody, HIV 1 Tat interactive protein antibody, HIV 1 Tat interactive protein, 60 kDa antibody, HIV-1 Tat interactive protein antibody, HTATIP antibody, HTATIP1 antibody, K(lysine) acetyltransferase 5 antibody, K-acetyltransferase 5 antibody, KAT5 antibody, KAT5_HUMAN antibody, Lysine acetyltransferase 5 antibody, PLIP antibody, Tat interacting protein, 60 kDa antibody, TIP antibody, Tip60 antibody

UniProt: [Q92993](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:500-1:1000, IF:1:50-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

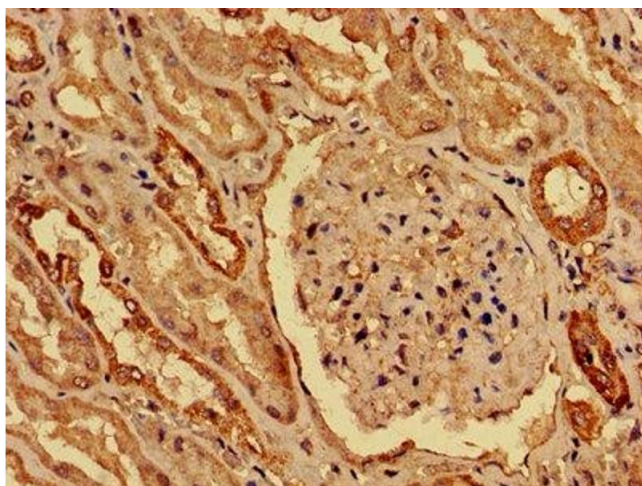
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

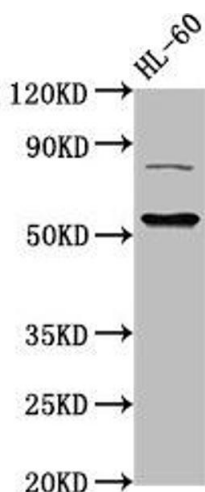
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



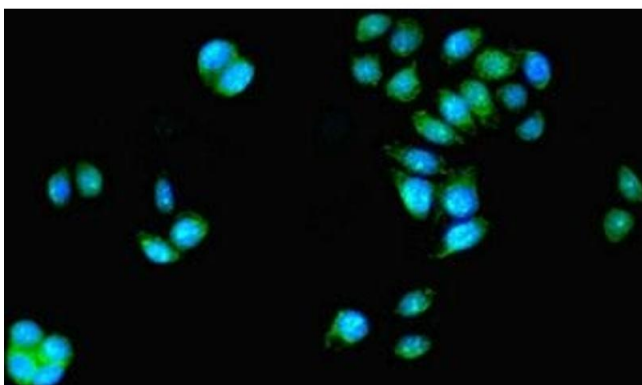
Immunohistochemistry

Image 1. IHC image of ABIN7155274 diluted at 1:800 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: HL60 whole cell lysate All lanes: KAT5 antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 59, 54, 62, 57 kDa Observed band size: 59 kDa



Immunofluorescence

Image 3. Immunofluorescent analysis of PC-3 cells using ABIN7155274 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7155274.