

Rabbit anti-Human Histone acetyltransferase KAT5 Polyclonal Antibody | anti-KAT5 antibody

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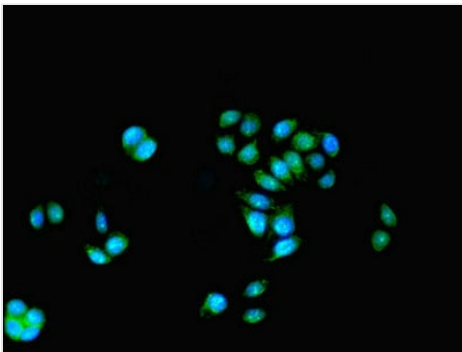
CATALOG # AAA230275	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

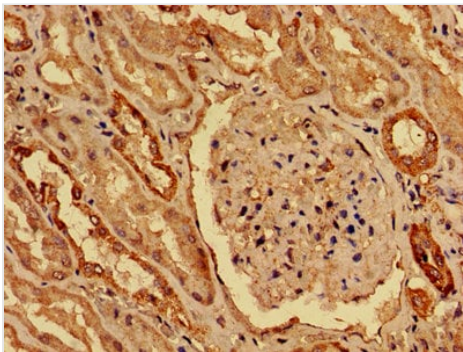
Histone acetyltransferase KAT5; Polyclonal Antibody; Rabbit anti-human Histone acetyltransferase KAT5 polyclonal Antibody; 60 kDa Tat-interactive protein; Histone acetyltransferase HTATIP; Lysine acetyltransferase 5; cPLA(2)-interacting protein; KAT5; HTATIP; TIP60; anti-KAT5 antibody

PRODUCT SPECIFICATIONS

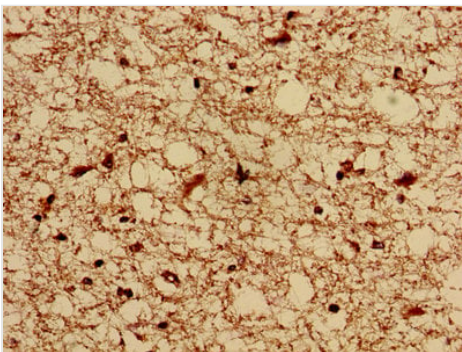
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	494
Applicable Applications for anti-KAT5 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Histone acetyltransferase KAT5
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-5725 / sc-5727 / sc-25378
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.



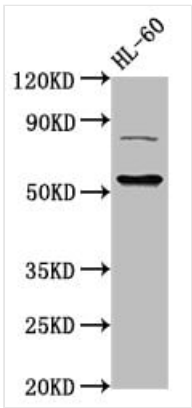
IF (Immunofluorescence)
Immunofluorescent analysis of PC3 cells using AAA230275 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)
IHC image of AAA230275 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 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)
IHC image of AAA230275 diluted at 1:800 and staining in paraffin-embedded human brain 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 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)
Western BlotPositive WB detected in: HL-60 whole cell lysateAll lanes: KAT5 antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 59,54,62,57 KDaObserved band size: 59 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-KAT5 antibody	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. In case of HIV-1 infection, interaction with the viral Tat protein leads to KAT5 polyubiquitination and targets it to degradation. This protein belongs to the MYST family of histone acetyl transferases (HATs) and was originally isolated as an HIV-1 TAT-interactive protein. HATs play important roles in regulating chromatin remodeling, transcription and other nuclear processes by acetylating histone and nonhistone proteins. This protein is a histone acetylase that has a role in DNA repair and apoptosis and is thought to play an important role in signal transduction. Alternative splicing of this gene results in multiple transcript variants.
Product Categories/Family for anti-KAT5 antibody	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	332205931
NCBI GeneID	10524
NCBI Accession #	NP_001193762.1
NCBI GenBank Nucleotide #	NM_001206833.1
UniProt Accession #	Q92993; O95624; Q13430; Q17RW5; Q561W3; Q6GSE8; Q9BWK7; B4E3C7; C9JL99
Molecular Weight	56,292 Da
NCBI Official Full Name	histone acetyltransferase KAT5 isoform 4
NCBI Official Synonym Full Names	K(lysine) acetyltransferase 5
NCBI Official Symbol	KAT5
NCBI Official Synonym Symbols	TIP; ESA1; PLIP; TIP60; cPLA2; HTATIP; ZC2HC5; HTATIP1
NCBI Protein Information	histone acetyltransferase KAT5
UniProt Protein Name	Histone acetyltransferase KAT5
UniProt Gene Name	KAT5
UniProt Synonym Gene Names	HTATIP; TIP60; Tip60; HIV-1 Tat interactive protein
UniProt Entry Name	KAT5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/histone-acetyltransferase-kat5-antibody-immunohistochemistry-elisa/230275>