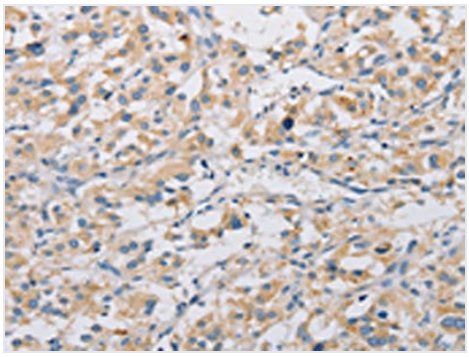
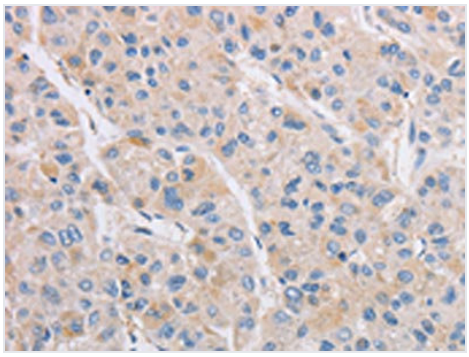
KAT5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KAT5, Polyclonal Antibody
Full Product Name	KAT5 Antibody
Product Gene Name	anti-KAT5 antibody
Product Synonym Names	K(lysine) acetylTransferase 5
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	58,582 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (65479473..65487077). Location: 11q13
OMIM	601409
3D Structure	ModBase 3D Structure for Q92993
Immunogen	Fusion protein of human KAT5
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-KAT5 antibody	Epigenetics and Nuclear Signaling
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-KAT5 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-KAT5 antibody	ELISA: 1:1000-1:2000 IHC: 1:15-1:50
Related Product Information for anti-KAT5 antibody	MBS7124820 is an antibody targeting KAT5. Also known as KAT5 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-KAT5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC)-Paraffin of anti-KAT5 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MBS7124820(KAT5 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-KAT5 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using MBS7124820(KAT5 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KAT5. It may not necessarily be applicable to this product.

NCBI GI #	332205931
NCBI GeneID	10524
NCBI Accession #	NP_001193762.1
UniProt Primary Accession #	Q92993
UniProt Secondary Accession #	O95624; Q13430; Q17RW5; Q561W3; Q6GSE8; Q9BWK7; B4E3C7; C9JL99
UniProt Related Accession #	Q92993
GenBank Nucleotide #	NM_001206833.1
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
UniProt Protein Name	Histone acetyltransferase KAT5
UniProt Synonym Protein Names	60 kDa Tat-interactive protein; Tip60; Histone acetyltransferase HTATIP; HIV-1 Tat interactive protein; Lysine acetyltransferase 5; cPLA(2)-interacting protein
Protein Family	3-ketoacyl-CoA thiolase
UniProt Gene Name	KAT5
UniProt Synonym Gene Names	HTATIP; TIP60; Tip60
UniProt Entry Name	KAT5_HUMAN
NCBI Protein Information	histone acetyltransferase KAT5; K-acetyltransferase 5; cPLA2 interacting protein; cPLA(2)-interacting protein; 60 kDa Tat-interactive protein; Tat interacting protein, 60kDa; histone acetyltransferase HTATIP; HIV-1 Tat interactive protein, 60kDa
NCBI Summary for KAT5	The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]

UniProt Comments for KAT5	Tip60: a histone acetyl transferase (HAT) of the MYST family. Originally isolated as an HIV-1 TAT-interactive protein. Plays an important role in regulating chromatin remodeling, transcription and other nuclear processes by acetylating nuclear proteins. Plays a role in DNA repair and apoptosis. Three splice variants have been described. Protein type: Nucleolus; Nuclear receptor co-regulator; EC 2.3.1.48; Acetyltransferase Chromosomal Location of Human Ortholog: 11q13 Cellular Component: nucleoplasm; transcription factor complex; NuA4 histone acetyltransferase complex; perinuclear region of cytoplasm; nucleolus; cytosol; nucleus Molecular Function: protein binding; histone acetyltransferase activity; androgen receptor binding; metal ion binding; transcription coactivator activity; protein complex binding Biological Process: proteasomal ubiquitin-dependent protein catabolic process; establishment and/or maintenance of chromatin architecture; transcription, DNA-dependent; viral reproduction; positive regulation of transcription, DNA-dependent; negative regulation of transcription from RNA polymerase II promoter; negative regulation of interleukin-2 production; DNA damage response, signal transduction by p53 class mediator resulting in transcription of p21 class mediator; double-strand break repair; regulation of growth; androgen receptor signaling pathway; positive regulation of transcription from RNA polymerase II promoter; response to ionizing radiation; histone acetylation; negative regulation of transcription, DNA-dependent
Research Articles on KAT5	**1.** Studies indicate histone acetyltransferase Tip60 as a potential therapeutic target for the treatment of prostate cancer.
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