

## KAT5 Polyclonal Antibody

Catalog number: 10827-1-AP

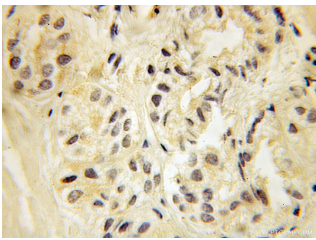
Size: 20 µg/150 µl

Source: Rabbit

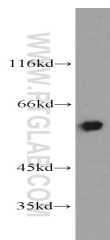
Isotype: IgG

Synonyms:

KAT5; 60 kDa Tat interactive protein, cPLA(2) interacting protein, cPLA2, ESA1, Histone acetyltransferase KAT5, HIV 1 Tat interactive protein, HTATIP, HTATIP1, K(lysine) acetyltransferase 5, KAT5, Lysine acetyltransferase 5, PLIP, TIP, TIP60



Immunohistochemical of paraffin-embedded human prostate cancer using 10827-1-AP(KAT5 antibody) at dilution of 1:100 (under 10x lens)



PC-3 cells were subjected to SDS PAGE followed by western blot with 10827-1-AP(KAT5 antibody) at dilution of 1:1000

### Background

KAT5 belongs to the MYST protein family that contains atypical zinc finger and histone acetyltransferase domains. Also, KAT5 contains a chromodomain. KAT5 is a catalytic subunit of the NuA4 histone acetyltransferase complex. The NuA4 HAT complex plays a role in transcriptional activation of select genes mainly by acetylation of nucleosomal histone H4 and H2A, which influence nucleosome-DNA interaction and promotes interaction of the modified histones with other proteins that could regulate transcription positively. This complex also involves in the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, DNA repair and apoptosis.

### Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated KAT5 MW:	60 kDa
Observed KAT5 MW:	55-60 kDa
Positive WB detected in	PC-3 cells, HeLa cells, Jurkat cells, mouse liver tissue, rat liver tissue
Positive IHC detected in	Human prostate cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1261
GenBank accession number:	BC000166
Gene ID (NCBI):	10524
Full name:	K(lysine) acetyltransferase 5

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.