

## KAT5

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:1000 IHC 1:50 - 1:100

**Calculated MW:** 60kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human KAT5

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

1 mg/ml

**Synonym:**

ESA1; HTATIP; HTATIP1; PLIP; TIP; TIP60; cPLA2;

**Catalog #:** A2292

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 10524

**Isotype:** IgG

**Swiss Prot:** Q92993

**Purity:** Affinity purification

For research use only.

**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.

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