

For Research Use Only

TIP60/KAT5 Recombinant monoclonal antibody

Catalog Number: 82937-1-RR



Basic Information

Catalog Number: 82937-1-RR	GenBank Accession Number: BC000166	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 10524	CloneNo.: 230181D5
Isotype: IgG	UNIPROT ID: Q92993	Recommended Dilutions: IF/ICC: 1:200-1:800
Immunogen Catalog Number: AG1261	Full Name: K(lysine) acetyltransferase 5	FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
	Calculated MW: 60 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human	IF/ICC : HepG2 cells, FC (Intra) : HCT 116 cells,

Background Information

KAT5, also named as The histone acetyltransferase (HAT) Tat interactive protein 60 kD 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.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

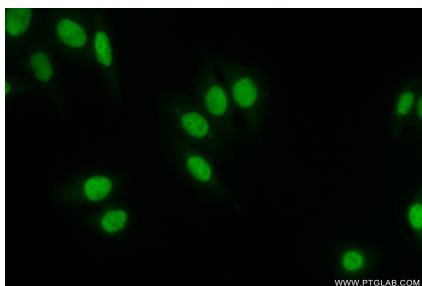
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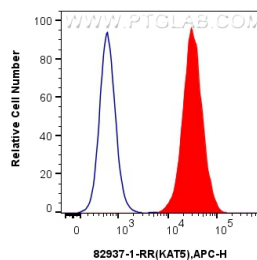
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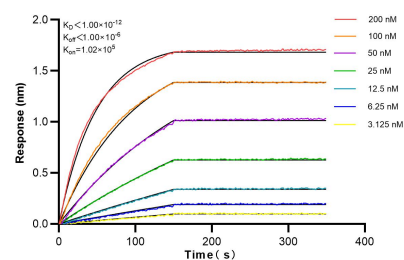
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using KAT5 antibody (82937-1-RR, Clone: 230181D5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1×10^6 HCT 116 cells were intracellularly stained with 0.25 μ g Anti-Human KAT5 (82937-1-RR, Clone: 230181D5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g rabbit IgG isotype control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Biolayer interferometry (BLI) kinetic assays of 82937-1-RR against Human TIP60/KAT5 were performed. The affinity constant is below 1 pM.