

For Research Use Only

TIP60/KAT5 Recombinant antibody, PBS Only



Catalog Number:82937-1-PBS

Basic Information

Catalog Number: 82937-1-PBS	GenBank Accession Number: BC000166	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 10524	CloneNo.: 230181D5
Source: Rabbit	UNIPROT ID: Q92993	
Isotype: IgG	Full Name: K(lysine) acetyltransferase 5	
Immunogen Catalog Number: AG1261	Calculated MW: 60 kDa	

Applications

Tested Applications:
Indirect ELISA, IF/ICC

Species Specificity:
human

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

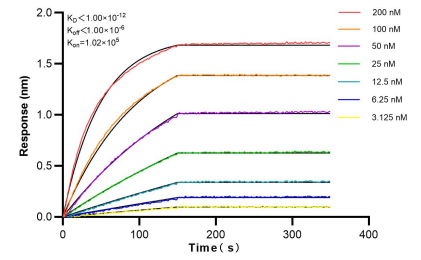
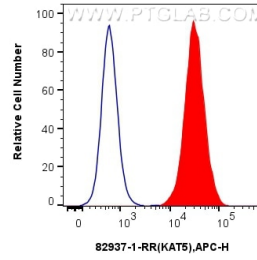
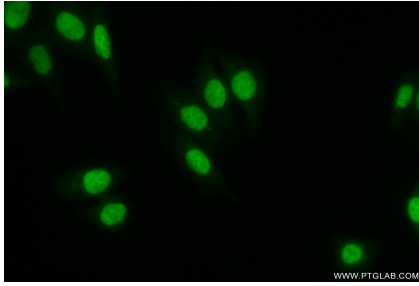
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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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). This data was developed using the same antibody clone with 82937-1-PBS in a different storage buffer formulation.

1x10⁶ HCT 116 cells were intracellularly stained with 0.25 ug Anti-Human KAT5 (82937-1-RR, Clone:230181D5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 82937-1-PBS in a different storage buffer formulation.

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