

For Research Use Only

# KAT2B/PCAF Recombinant monoclonal antibody

Catalog Number:86917-1-RR



## Basic Information

<b>Catalog Number:</b> 86917-1-RR	<b>GenBank Accession Number:</b> BC060823	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8850	<b>CloneNo.:</b> 251940G10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q92831	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> K(lysine) acetyltransferase 2B	
<b>Immunogen Catalog Number:</b> AG30238	<b>Calculated MW:</b> 93 kDa	
	<b>Observed MW:</b> 93 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, Y79 cells
<b>Species Specificity:</b> human	

## Background Information

KAT2B, also known as PCAF (p300/CBP-associated factor), is a crucial transcriptional coactivator that possesses intrinsic histone acetyltransferase (HAT) activity. It primarily acetylates histone H3 at lysine 9 (H3K9ac) and lysine 14 (H3K14ac), a modification associated with open chromatin and active gene transcription. Functionally, PCAF is recruited to promoters by interacting with various transcription factors (such as p53, NF-κB, and nuclear receptors) and larger complexes like the p300/CBP cointegrator complex. It plays pivotal roles in diverse cellular processes, including cell cycle progression, differentiation, metabolism, DNA damage response, and tumor suppression or promotion in a context-dependent manner. Due to its involvement in critical pathways, PCAF is a significant protein of interest in epigenetics, cancer biology, and neurodevelopmental research.

## Storage

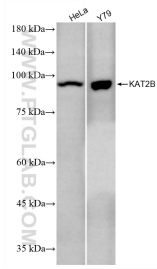
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

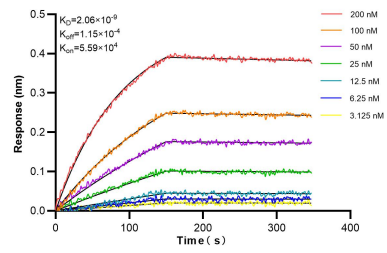
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86917-1-RR (KAT2B antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86917-1-RR against Human KAT2B/PCAF were performed. The affinity constant is 2.06 nM.