

For Research Use Only

KAT2B/PCAF Recombinant monoclonal antibody

Catalog Number: 86917-1-RR



Basic Information

Catalog Number: 86917-1-RR	GenBank Accession Number: BC060823	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 8850	CloneNo.: 251940G10
Isotype: IgG	UNIPROT ID: Q92831	Recommended Dilutions: WB: 1:2000-1:10000
Immunogen Catalog Number: AG30238	Full Name: K(lysine) acetyltransferase 2B	
	Calculated MW: 93 kDa	
	Observed MW: 93 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, Y79 cells
Species Specificity: 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- κ B, 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

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

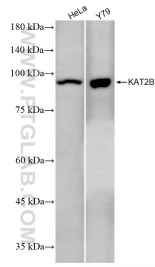
T: 4006900926

E: Proteintech-CN@ptglab.com

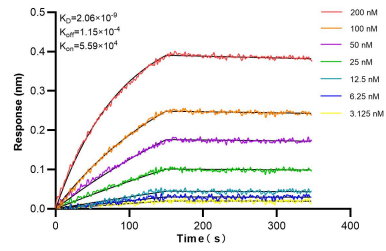
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Selected Validation Data



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.