

For Research Use Only

KAT2B/PCAF Recombinant monoclonal antibody, PBS Only

Catalog Number:86917-1-PBS



Basic Information

Catalog Number: 86917-1-PBS	GenBank Accession Number: BC060823	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 8850	CloneNo.: 251940G10
Source: Rabbit	UNIPROT ID: Q92831	
Isotype: IgG	Full Name: K(lysine) acetyltransferase 2B	
Immunogen Catalog Number: AG30238	Calculated MW: 93 kDa	
	Observed MW: 93 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

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

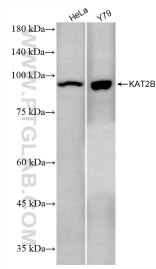
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

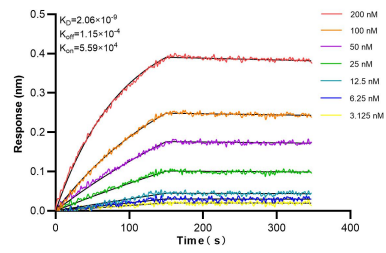
For technical support and original validation data for this product please contact:
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Selected Validation Data



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. This data was developed using the same antibody clone with 86917-1-PBS in a different storage buffer formulation.



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