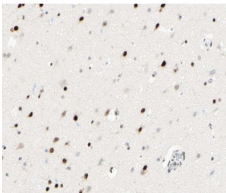


KAT3B / p300 Ab

[References\(1\)](#) [Images\(3\)](#)

Cat.#: AF0674	Concn.: ~1mg/ml	Mol.Wt.: 264kDa
Size:	Source: Rabbit	Clonality: Polyclonal
Application:	WB 1:500-1:2000, IHC 1:50-1:200 *The optimal dilutions should be determined by the end user.	
Reactivity:	Human	
Storage:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).	
Immunogen:	A synthesized peptide derived from human KAT3B / p300, corresponding to a region within the internal amino acids.	
Uniprot:	Q09472	
Description:	p300 is a histone acetyltransferase and transcriptional co-activator that regulates transcription via chromatin remodeling. Acetylates all four core histones in nucleosomes. Related to CPB (CREB-binding protein), and like CPB can stimulate transcription through activation of CREB. Specifically inhibited by the adenovirus oncoprotein E1A. A co-activator of HIF1A (hypoxia-inducible factor 1 alpha), and thus plays a role in the stimulation of hypoxia-induced genes such as VEGF. Mediates cAMP-gene regulation by binding specifically to phosphorylated CREB protein. Methylated at R580 and R604 in the KIX domain by CARM1, which blocks association with CREB, inhibits CREB signaling and activates the apoptotic response. Also methylated at R2142 by CARM1, which impairs interaction with NCoA2.	



AF0674 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.



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