For Research Use Only

Acetyl-Tubulin (Lys40) Monoclonal antibody

Catalog Number:66200-1-lg

98 Publications



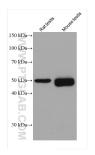
Basic Information	Catalog Number: 66200-1-lg	GenBank Accession Number: NM_006009 GeneID (NCBI): 7846 UNIPROT ID: Q71U36 Full Name:		Purification Method: Protein A purification	
	Size: 150ul , Concentration: 1000 ug/ml by			CloneNo.: 7E5H8	
	Nanodrop;			Recommended Dilutions: WB 1:2000-1:10000 IHC 1:1000-1:4000 IF/ICC 1:200-1:800	
	Source:				
	Mouse Isotype: IgG1				
		tubulin, alpha 1a		IF/ICC 1:200-1:800	
		Calculated MW: 52 kDa			
		Observed MW: 50-55 kDa			
Applications	Tested Applications: WB, IHC, IF/ICC, IF-P, ELISA		Positive Controls:		
	Cited Applications: WB, IHC, IF		WB : rat testis tissue, NCCIT cells, Neuro-2a cells, LO cells, pig cerebellum tissue, rat brain tissue, mouse ovary tissue, HEK-293 cells, mouse testis		
	Species Specificity: human, mouse, rat, pig, canine		IHC : mouse ovary tissue, human gliomas tissue, rat brain tissue, mouse brain tissue, human lung cancer		
	Cited Species:		tissue		
	human, mouse, rat, pig, rabbit, canine bovine, drosophila			IF/ICC : MDCK cells, hTERT-RPE1 cells	
	Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ retrieval may be performed w	vely, antigen			
	buffer pH 6.0	in chrute			
Background Information		f alpha and beta tubuli sis, and intracellular ve ons such as polyglutam e N-terminal of alpha tu en identified as tubuli rotubule stability, cell malignancies and sense primary cilia. This ant	sicle transport. I ylation and acet ıbulin and is con n deacetylases. motility, and axe itivity to chemo	Both alpha and beta tubulin undergo ylation/deacetylation. Tubulin served across species. The histone Reversible acetylation of alpha tubu on regeneration. The level of acetyla therapy. In addition, acetylated tubu	
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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)

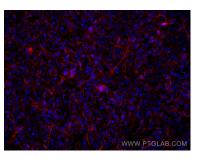
E: proteintech@ptglab.com W: ptglab.com

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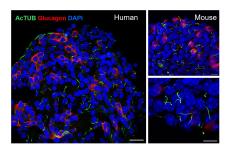
Selected Validation Data



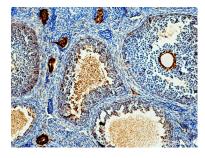
Various lysates were subjected to SDS PAGE followed by western blot with 66200-1-1g (Acetyl-Tubulin (Lys40) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



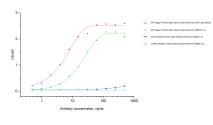
Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using Acetyl-Tubulin (Lys40) antibody (66200-1-Ig, Clone: 7E5H8) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



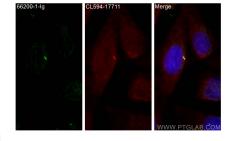
(left) Confocal image of a single-plane crosssection of a healthy human islet, showing primary cilia on both alpha cells (glucagon, red) and nonalpha cells (non-red). Acetylated alpha tubulin, cilia (green, Cat. No 66200-1-lg, 1:400), nuclei (blue), scale 20 µm. (right) Primary cilia in wildtype B6 mouse islets: acetylated alpha tubulin (green, Cat. No 66200-1-lg, 1:400), glucagon (red), nuclei (blue), single-plane images, scales 10 µm. (Fig from Dr. Jing Hughes)



Immunohistochemical analysis of paraffinembedded mouse ovary tissue slide using 66200-1-Ig (Acetyl-Tubulin (Lys40) antibody) at dilution of 1:2000 (under 10x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Specificity validation by indirect ELISA. Indirect ELISA was carried out by coating E.coli expressed GST-tagged Tubulin alpha (70 ng/well), non-acetylated Tubulin alpha, and Lys40 acetylated Tubulin alpha (with excessive amount) followed by blocking and adding serial diluted GST tag primary antibody (Cat.NO. 66001-2-lg) and Acetylated Tubulin antibody 66200-1-lg respectively. HRP-Goat anti-mouse secondary antibody was used for detection.



Immunofluorescent analysis of (4% PFA) fixed MDCK cells using Acetyl-Tubulin (Lys40) antibody (66200-1-lg, Clone: 7E5H8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CoraLite®594 ARL13B antibody (CL594-17711, red).