For Research Use Only

Acetyl-Tubulin (Lys40) Monoclonal antibody

Catalog Number:66200-1-lg

98 Publications



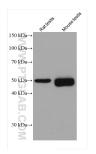
Basic Information	Catalog Number: 66200-1-lg	GenBank Accessi NM_006009	ion Number:	Purification Method: Protein A purification	
	Concentration: 1000 ug/ml	GeneID (NCBI): 7846		CloneNo.: 7E5H8	
	Source: Mouse	UNIPROT ID: Q71U36 Full Name: tubulin, alpha 1a		Recommended Dilutions: WB 1:2000-1:10000 IHC 1:1000-1:4000 IF/ICC 1:200-1:800	
	lsotype: lgG1				
		Calculated MW: 52 kDa			
		Observed MW: 50-55 kDa			
Applications	WB IHC IE/ICC IE-P ELISA			Positive Controls: 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	
	Cited Applications: WB, IHC, IF		cells, pig cere		
	Species Specificity: human, mouse, rat, pig, canine			IHC : mouse ovary tissue, human gliomas tissue, ra brain tissue, mouse brain tissue, human lung cancer	
	Cited Species: human, mouse, rat, pig, rabbit, canine, zebrafish, bovine, drosophila		tissue	tissue IF/ICC : MDCK cells, hTERT-RPE1 cells	
			IT ACC . MDCI	Cells, III LKI-KFLI Cells	
		igen retrieval with ernatively, antigen			
Background Information	bovine, drosophila Note-IHC: suggested anti TE buffer pH 9.0; (*) Alter retrieval may be perform buffer pH 6.0 Tubulin, composed of heterodi important roles in cell motility several posttranslational mod acetylation occurs on lysine-44 deacetylase HDAC6 and SIRT2 may be implicated in regulatin tubulin has been linked to epin	igen retrieval with ernatively, antigen ned with citrate imers of alpha and beta to y, mitosis, and intracellul ifications such as polyglu 0 at the N-terminal of alg has been identified as to ng microtubule stability, thelial malignancies and rker for primary cilia. Thi	ubulin, is the mainly lar vesicle transport. utamylation and ace wha tubulin and is co ubulin deacetylases. cell motility, and av sensitivity to chem s antibody is specifi	/ component of microtubules which pla Both alpha and beta tubulin undergo etylation/deacetylation. Tubulin nserved across species. The histone . Reversible acetylation of alpha tubul con regeneration. The level of acetylat otherapy. In addition, acetylated tubul c to the acetylated tubulin; it does not	
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 For technical support and original validation data for this product please contact:

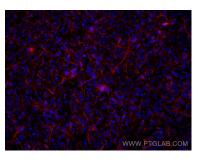
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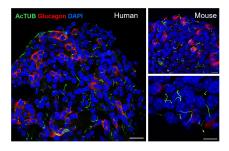
Selected Validation Data



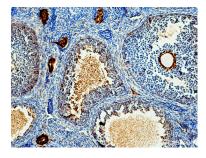
Various lysates were subjected to SDS PAGE followed by western blot with 66200-1-1g (Acetyl-Tubulin (Lys40) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



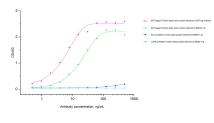
Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using Acetyl-Tubulin (Lys40) antibody (66200-1-Ig, Clone: 7E5H8) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



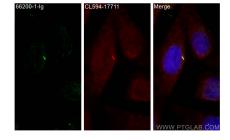
(left) Confocal image of a single-plane crosssection of a healthy human islet, showing primary cilia on both alpha cells (glucagon, red) and nonalpha cells (non-red). Acetylated alpha tubulin, cilia (green, Cat. No 66200-1-lg, 1:400), nuclei (blue), scale 20 μ m. (right) Primary cilia in wildtype B6 mouse islets: acetylated alpha tubulin (green, Cat. No 66200-1-lg, 1:400), glucagon (red), nuclei (blue), single-plane images, scales 10 μ m. (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-Ig) and Acetylated Tubulin antibody 66200-1-Ig respectively. HRP-Goat anti-mouse secondary antibody was used for detection. Signal was developed with



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).