For Research Use Only

Alpha Tubulin Monoclonal antibody

Catalog Number:66031-1-lg 864 Publications

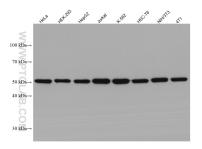


Basic Information	Catalog Number: 66031-1-lg	GenBank Accession M BC009314	Number:	Purification Method: Protein A purification	
	Size:	GeneID (NCBI):		CloneNo.:	
	150ul , Concentration: 1000 µg/ml by	10376		1E4C11	
	Nanodrop;	UNIPROT ID:		Recommended Dilutions:	
	Source:	P68363		WB 1:20000-1:100000	
	Mouse	Full Name:		IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate	
	Isotype: IgG2b Immunogen Catalog Number: AG18034	tubulin, alpha 1b		IHC 1:200-1:1000	
		Calculated MW: 50 kDa		IF 1:500-1:2000	
		Observed MW: 50-55 kDa			
Applications	WB, IP, IF, FC, IHC, ELISAWB : HeLaCited Applications:cells, K-56WB, IP, IF, IHC, CoIPcellsSpecies Specificity:IP : HeLa c		Positive Cont	rols:	
			WB : HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells		
					IP : HeLa cells
			human, mouse, rat, Canine		IHC : human tonsillitis tissue, human liver cancer
	Cited Species: human, goat, tick, chicken, rat, sheep, mouse, monkey, rabbit, zebrafish		tissue, human colon cancer tissue		
			IF : HeLa cells, rat brain tissue, MCF-7 cells, HepG2 cells		
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
Background Information	There are five tubulins in human cell species. They form heterodimers, wh heterodimer is the basic structural un alpha and beta tubulins, which are ea for scientists across fields as an inter may vary according to resistance to a Tubulin Alpha.	ich multimerize to for nit of microtubules. The ach about 55 kDa MW, nal control due to its h	m a microtubule e heterodimer do are homologous igh, ubiquitous o	filament. An alpha and beta tubulin bes not come apart once formed. The but not identical. Alpha tubulin is use expression pattern. Tubulin expressio	
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Notable Publications	species. They form heterodimers, wh heterodimer is the basic structural ur alpha and beta tubulins, which are ea for scientists across fields as an inter may vary according to resistance to a Tubulin Alpha. Author Pu Sirwan Sleman 36 Pengcheng Ma 36 Wei Wen 33 Storage: Storage st -20°C. Stable for one year aft Storage Buffer: PBS with 0.02% sodium azide and 50	ich multimerize to fornit of microtubules. The ach about 55 kDa MW, nal control due to its h intimicrobial and antimitropial antitropial antimitropial antimitropial antimit	m a microtubule e heterodimer de are homologous igh, ubiquitous e mitotic drugs. Th mal l Immunol	filament. An alpha and beta tubulin bes not come apart once formed. The but not identical. Alpha tubulin is use expression pattern. Tubulin expressio is antibody specifically recognizes Application WB WB	
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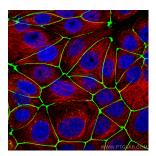
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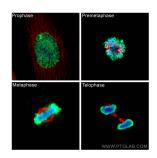
Selected Validation Data



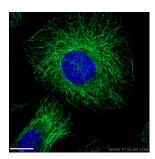
Various lysates were subjected to SDS PAGE followed by western blot with 66031-1-lg (Alpha Tubulin antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using Alpha Tubulin antibody (66031-1-lg, Clone: 1E4C11) at dilution of 1:1000 and Coralite®594-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), ZO-1 antibody (21773-1-AP, green).



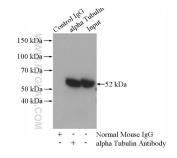
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11) at dilution of 1:1000 and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), Histone H1.2 antibody (19649-1-AP, green).



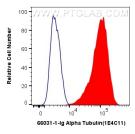
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66031-1-1g(alpha Tubulin antibody) at dilution of 1:100 and Alexa Fluor 488conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffinembedded human tonsillitis tissue slide using 66031-1-1g (alpha Tubulin antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



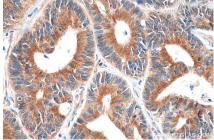
IP result of anti-Alpha Tubulin (IP:66031-1-Ig, 5ug; Detection:11224-1-AP 1:1000) with HeLa cells lysate 2800ug.



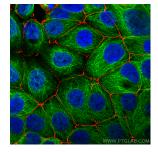
1X10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human Alpha Tubulin (66031-1-1g, Clone:1E4C11) and Coralite@488-Conjugated AffiniPure Goat Anti-Mouse IgC(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgC2b Isotype Control (MPC-11) (65128-1-1g, Clone: MPC-11) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).

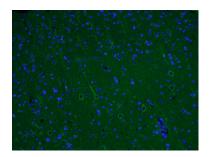


Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 66031-1-Ig (Alpha Tubulin antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 66031-1-Ig (Alpha Tubulin antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).





Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), ZO-1 antibody (21773-1-AP, red). Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using 66031-1-1g (alpha Tubulin antibody) at dilution of 1:100 and Coralite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).