For Research Use Only

Alpha Tubulin Polyclonal antibody

Catalog Number:11224-1-AP

1264 Publications

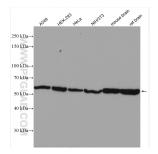


Basic Information	Catalog Number: 11224-1-AP	GenBank Accession Number: BC009314		Purification Method: Antigen affinity purification
	Size:	GeneID (NCBI):		Recommended Dilutions:
	150ul , Concentration: 600 µg/ml by	10376		WB 1:3000-1:12000
	Nanodrop;	UNIPROT ID:		IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
	Source: Rabbit	P68363		IHC 1:50-1:500
	Isotype:	Full Name: tubulin, alpha 1b		IF 1:50-1:500
	IgG	Calculated MW:		
		50 kDa		
	AG1727	Observed MW: 50-55 kDa		
Applications	Tested Applications:	Positive Contr		trols:
	WB, IP, IF, FC, IHC, ELISA Cited Applications: WB, IP, IF, IHC, CoIP		WB: A549 cells, HEK-293 cells, HeLa cells, NIH/3T3 cells, rat brain	
	Species Specificity:		IP : HeLa cell	5,
	human, mouse, rat		IHC : human colon cancer tissue, human liver cancer tissue, human endometrial cancer tissue	
	Cited Species: human, goat, chicken, rat, mouse, monkey, zebrafish, P. lividus, hamster, pig		tissue, numan endometrial cancer tissue IF : HeLa cells, HepG2 cells, MCF-7 cells, Lymphatic endothelial cells 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	buffer pH 6.0 There are five tubulins in human cell species. They form heterodimers, wh heterodimer is the basic structural un alpha and beta tubulins, which are en	ls: alpha, beta, gamma ich multimerize to for hit of microtubules. Th ach about 55 kDa MW, nal control due to its h	m a microtubule e heterodimer d are homologou igh, ubiquitous	e filament. An alpha and beta tubulin oes not come apart once formed. The 5 but not identical. Alpha tubulin is usef
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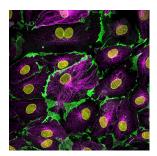
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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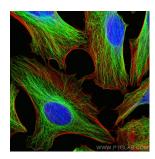
Selected Validation Data



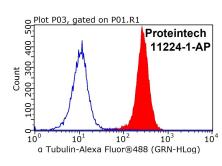
Various lysates were subjected to SDS PAGE followed by western blot with 11224-1-AP (alpha Tubulin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



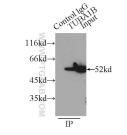
Lymphatic endothelial cells were stained for CD31 (green, Cat. No CL488-66065, 1:200) and alpha tubulin (magenta, Cat. 11224-1-AP, 1:200) with DAPI as a counterstain for visualizing the nucleus (yellow). CD31 is an endothelial cell adhesion protein and was conjugated to CoraLite-488 fluorescent dye to allow for direct visualization. Alpha tubulin is a cytoskeletal protein important in cell division and migration and was visualized with an Alexa Fluor 568 secondary antibody.



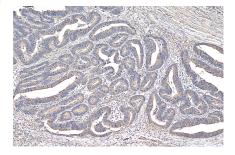
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Alpha Tubulin antibody (11224-1-AP) at dilution of 1:200 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



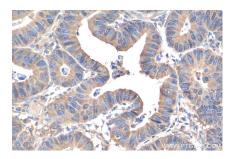
1X10⁶ HEK-293 cells were stained with 0.2ug alpha Tubulin antibody (11224-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). FITC-Goat anti-Rabbit IgG with dilution 1:100.



IP result of anti-Alpha Tubulin (IP:11224-1-AP, 3ug; Detection:11224-1-AP 1:1000) with HeLa cells lysate 5000ug.



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 11224-1-AP (Alpha Tubulin antibody) at dilution of 1:2200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 11224-1-AP (Alpha Tubulin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).