

For Research Use Only

Beta Tubulin Monoclonal antibody, PBS Only

Catalog Number: 66240-1-PBS



Basic Information

Catalog Number: 66240-1-PBS	GenBank Accession Number: BC000748	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 10381	CloneNo.: 1D4A4
Source: Mouse	UNIPROT ID: Q13509	
Isotype: IgG2a	Full Name: tubulin, beta 3	
Immunogen Catalog Number: AG0117	Calculated MW: 450 aa, 50 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, IP, ELISA

Species Specificity:
human, mouse, rat, pig, zebrafish, nematode

Background Information

There are five tubulins in human cells: alpha, beta, gamma, delta, and epsilon. Tubulins are conserved across species. They form heterodimers, which multimerize to form a microtubule filament. An alpha and beta tubulin heterodimer is the basic structural unit of microtubules. The heterodimer does not come apart, once formed. The alpha and beta tubulins, which are each about 55 kDa MW, are homologous but not identical. Alpha and beta tubulins have been widely used as loading controls. Tubulin expression may vary according to resistance to antimicrobial and antimitotic drugs.

Storage

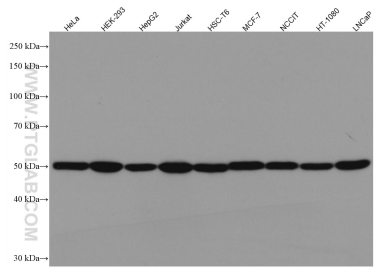
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

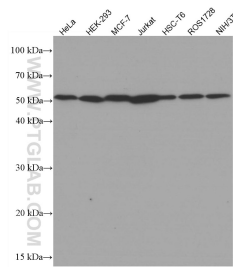
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

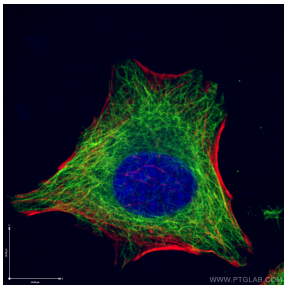
Selected Validation Data



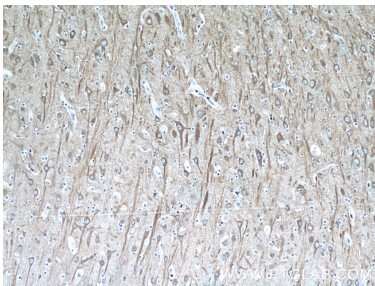
Various lysates were subjected to SDS PAGE followed by western blot with 66240-1-Ig (beta Tubulin antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66240-1-PBS in a different storage buffer formulation.



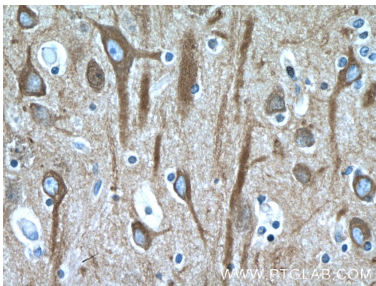
Various lysates were subjected to SDS PAGE followed by western blot with 66240-1-Ig (beta Tubulin antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66240-1-PBS in a different storage buffer formulation.



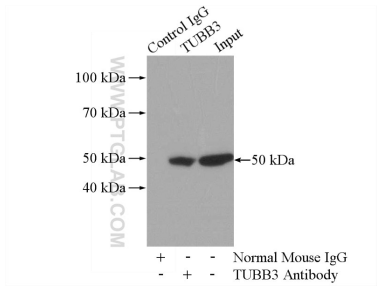
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 66240-1-Ig (beta Tubulin antibody), at dilution of 1:400 and Coralite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). Red: staning with Coralite555-Phalloidin. This data was developed using the same antibody clone with 66240-1-PBS in a different storage buffer formulation.



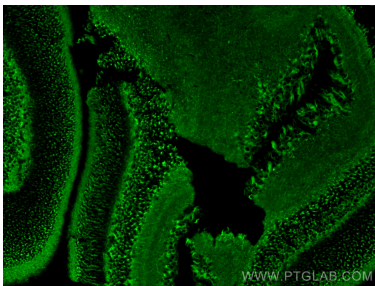
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66240-1-Ig (beta Tubulin antibody at dilution of 1:400 (under 10x lens). This data was developed using the same antibody clone with 66240-1-PBS in a different storage buffer formulation.



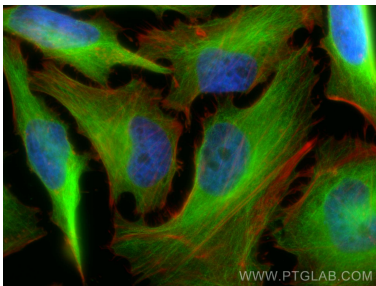
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66240-1-Ig (beta Tubulin antibody at dilution of 1:400 (under 40x lens). This data was developed using the same antibody clone with 66240-1-PBS in a different storage buffer formulation.



IP result of anti-Beta Tubulin (IP:66240-1-Ig, 5ug; Detection:66240-1-Ig 1:1000) with HeLa cells lysate 880ug. This data was developed using the same antibody clone with 66240-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse eye tissue using Beta Tubulin antibody (66240-1-Ig, Clone: 1D4A4) at dilution of 1:800 and Coralite® 488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66240-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Beta Tubulin antibody (66240-1-Ig, Clone: 1D4A4) at dilution of 1:400 and Coralite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 66240-1-PBS in a different storage buffer formulation.