

For Research Use Only

Gamma Tubulin Recombinant monoclonal antibody

Catalog Number: 87860-2-RR



Basic Information

Catalog Number:	87860-2-RR	GenBank Accession Number:	BC000619	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI):	7283	CloneNo.:	253500C11
Source:	Rabbit	UNIPROT ID:	P23258	Recommended Dilutions:	WB: 1:5000-1:50000 IF/ICC: 1:200-1:800
Isotype:	IgG	Full Name:	tubulin, gamma 1		
Immunogen Catalog Number:	AG7070	Calculated MW:	51 kDa		
		Observed MW:	50-55 kDa		

Applications

Tested Applications:	WB, IF/ICC, ELISA	Positive Controls:	
Species Specificity:	human, mouse, rat	WB :	HeLa cells, HEK-293 cells, HepG2 cells, K-562 cells, NIH/3T3 cells, HSC-T6 cells, mouse brain tissue
		IF/ICC :	A431 cells,

Background Information

Gamma tubulin is a member of tubulin superfamily and is a key component required for microtubule nucleation and stabilization. It is concentrated at the pericentriolar material of centrosomes in interphase cells, predominantly on spindle poles in mitotic cells, while found in midbodies during cytokinesis. Overexpression of gamma tubulin has been found in various cancers including breast cancer and gliomas. This antibody can well label the centrosome structure.

Storage

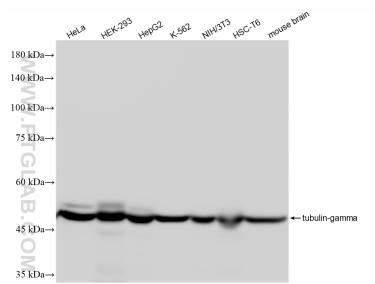
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

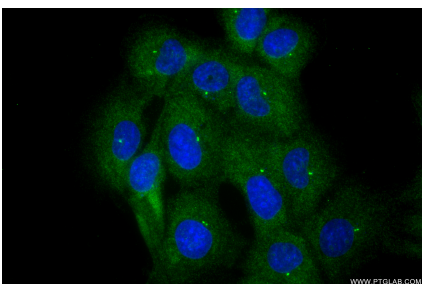
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

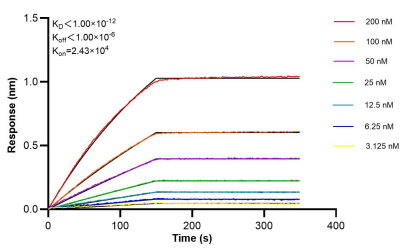
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87860-2-RR (tubulin-gamma antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using tubulin-gamma antibody (87860-2-RR, Clone: 253500C11) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 87860-2-RR against Human Gamma Tubulin were performed. The affinity constant is below 1 pM.