

For Research Use Only

# Gamma Tubulin Recombinant monoclonal antibody, PBS Only

Catalog Number: 87860-2-PBS



## Basic Information

|                                                             |                                              |                                                       |
|-------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>87860-2-PBS                       | <b>GenBank Accession Number:</b><br>BC000619 | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>7283                | <b>CloneNo.:</b><br>253500C11                         |
| <b>Source:</b><br>Rabbit                                    | <b>UNIPROT ID:</b><br>P23258                 |                                                       |
| <b>Isotype:</b><br>IgG                                      | <b>Full Name:</b><br>tubulin, gamma 1        |                                                       |
| <b>Immunogen Catalog Number:</b><br>AG7070                  | <b>Calculated MW:</b><br>51 kDa              |                                                       |
|                                                             | <b>Observed MW:</b><br>50-55 kDa             |                                                       |

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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

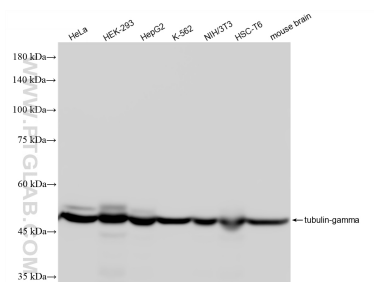
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

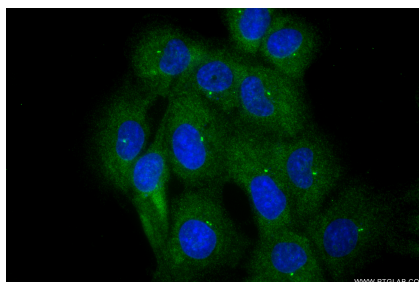
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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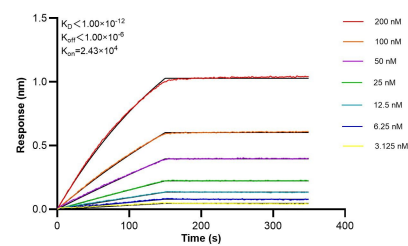
## Selected Validation Data



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. This data was developed using the same antibody clone with 87860-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87860-2-PBS in a different storage buffer formulation.



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