

For Research Use Only

Gamma Tubulin Recombinant monoclonal antibody

Catalog Number: 87860-2-RR



Basic Information

Catalog Number:

87860-2-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7070

GenBank Accession Number:

BC000619

GeneID (NCBI):

7283

UNIPROT ID:

P23258

Full Name:

tubulin, gamma 1

Calculated MW:

51 kDa

Observed MW:

50-55 kDa

Purification Method:

Protein A purification

CloneNo.:

253500C11

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

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

For technical support and original validation data for this product please contact:

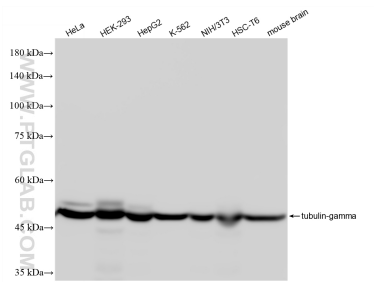
T: 4006900926

E: Proteintech-CN@ptglab.com

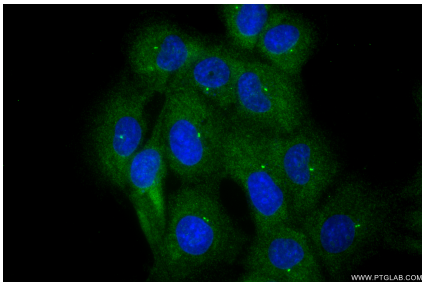
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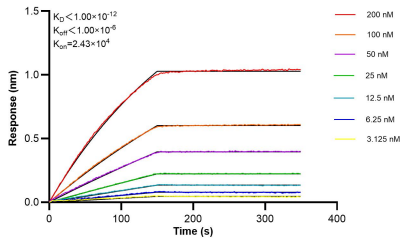
Selected Validation Data



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.



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.