

gamma-Tubulin Monoclonal Antibody

CAB9657

Description

This gamma-Tubulin Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: CAB9657
Contents: 20 µL, 100 µL
Bradford Reagent: 1 vial (2ml)
Category: Monoclonal Antibody
Synonyms: TUBG, GCP-1, CDCBM4, TUBGCP1, γ -Tubulin
Clone: ARC1684
Applications: WB IHC-P IF/ICC ELISA
Conjugation: Unconjugated
Reactivity: Human, Mouse, Rat

Antibody Data

Gene ID: 7283
Uniprot: AB_2863751
Host Species: Rabbit
Purification: Affinity purification
Observed MW: 49kDa
Calculated MW: 51kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

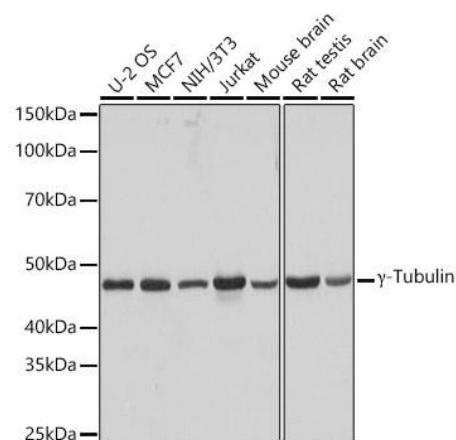
Positive Sample: U-2 OS, MCF7, Jurkat, NIH/3T3, Mouse brain, Rat testis, Rat brain

Recommended Dilutions:

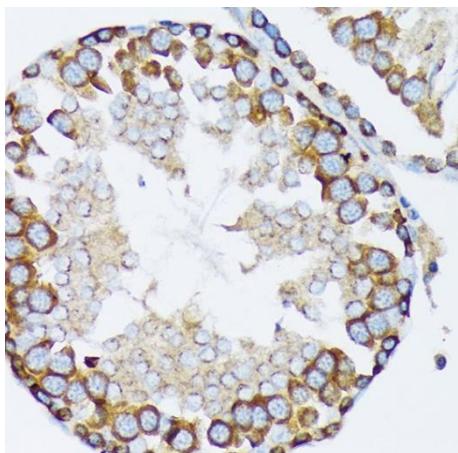
WB	1:1000 - 1:6000
IHC-P	1:200 - 1:2000
IF/ICC	1:100 - 1:1000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

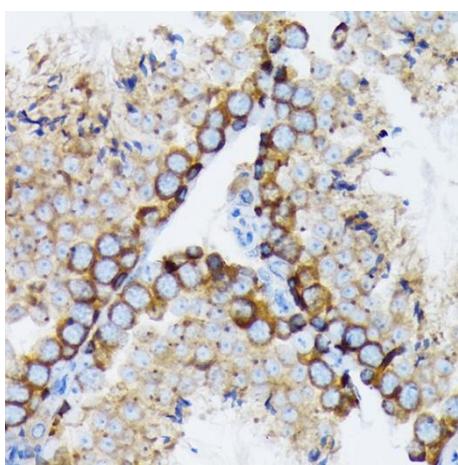
Validation Data



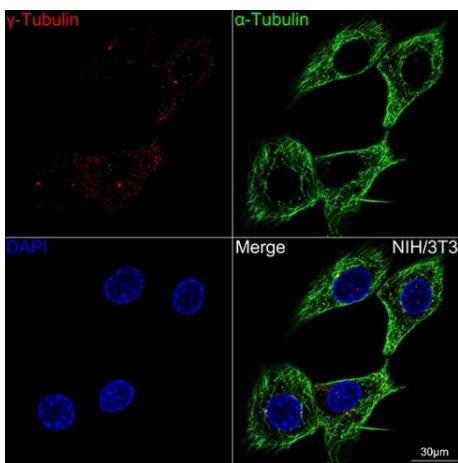
Western blot analysis of various lysates using γ -Tubulin Rabbit mAb (CAB9657) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3s.



Immunohistochemistry analysis of paraffin-embedded Rat testis using γ -Tubulin Rabbit mAb (CAB9657) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse testis using γ -Tubulin Rabbit mAb (CAB9657) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of NIH-3T3 cells using γ -Tubulin Rabbit mAb (CAB9657, dilution 1:100) (Red). The cells were counterstained with Alpha-tubulin (ubiquitous) chain Rabbit mAb (, dilution 1:100) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.