

Beta-Tubulin Loading Control Antibody, Chimeric Rabbit MAb



Sino Biological
Biological Solution Specialist

Catalog Number: 100109-MCR05

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GENERAL INFORMATION

Immunogen:	A synthetic peptide corresponding to the N-terminus of the human beta-tubulin
Preparation	It is a chimeric monoclonal antibody combining the constant domains of the rabbit IgG molecule with mouse variable regions. The variable region was obtained from a mouse immunized with a synthetic peptide corresponding to the N-terminus of the human beta-tubulin. The antibody was produced using recombinant antibody technology.
Ig Type:	Rabbit IgG
Clone ID:	05
Specificity:	human beta-tubulin
Formulation:	0.2 µm filtered solution in PBS
Storage:	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

APPLICATIONS

Applications:	WB, IHC-P, ICC/IF, IP
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RECOMMENDED CONCENTRATION

IHC-P	IHC-P: 1:5000-1:20000
ICC/IF	ICC/IF: 1:20-1:100
Western Blot	WB: 1:10000-1:100000
Immunoprecipitation	IP: 1-5 µL/mg of lysate

Please Note: Optimal concentrations/dilutions should be determined by the end user.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

Tel: +86-400-890-9989 (Global), +1-215-583-7898 (USA), +49(0)6196 9678656 (Europe)

Website: <http://www.sinobiological.com>

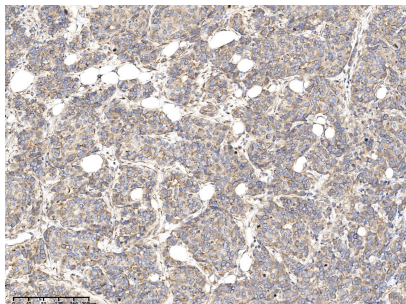
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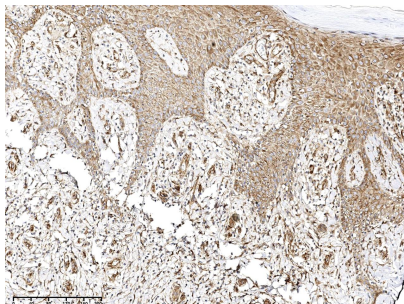


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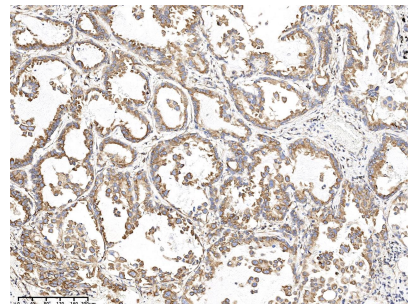
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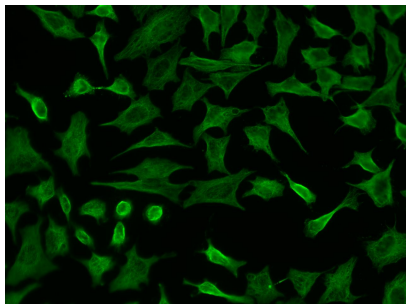
Immunohistochemical staining of human Beta-Tubulin in human breast carcinoma with Chimera Mab at 1:10000 dilution, formalin-fixed paraffin embedded sections.



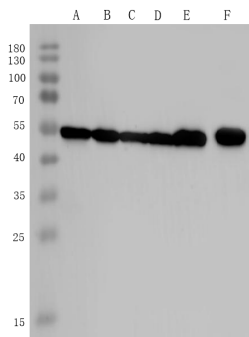
Immunohistochemical staining of human Beta-Tubulin in human malignant melanoma with Chimera Mab at 1:10000 dilution, formalin-fixed paraffin embedded sections.



Immunohistochemical staining of human Beta-Tubulin in human lung cancer with Chimera Mab at 1:10000 dilution, formalin-fixed paraffin embedded sections.



Immunofluorescence staining of Beta-Tubulin in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with mouse anti-Human Beta-Tubulin Chimera Mab (dilution ratio 1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Cytoplasm.



Anti-Beta-Tubulin rabbit monoclonal antibody at 1:30000 dilution

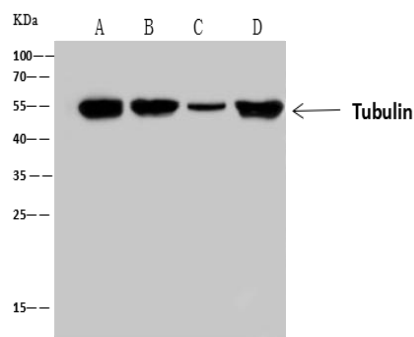
Lane A: Jurkat Whole Cell Lysate
Lane B: HeLa Whole Cell Lysate
Lane C: HepG2 Whole Cell Lysate
Lane D: A549 Whole Cell Lysate
Lane E: Mouse brain tissue lysate
Lane F: Rat brain tissue lysate

Lysates/proteins at 30 µg per lane.

Secondary
Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.

Developed using the ECL technique.
Performed under reducing conditions.

Predicted band size: 50 kDa
Observed band size: 54 kDa



Tubulin was immunoprecipitated using:

Lane A: 0.5 mg HepG2 Whole Cell Lysate
Lane B: 0.5 mg HeLa Whole Cell Lysate
Lane C: 0.5 mg Raw246.7 Whole Cell Lysate
Lane D: 0.5 mg Jurkat Whole Cell Lysate

4 µL anti-Tubulin rabbit monoclonal antibody and 60 µg of Immunomagnetic beads Protein A/G.

Primary antibody:

Anti-Tubulin rabbit monoclonal antibody, at 1:100 dilution

Secondary antibody:

Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution

Developed using the ECL technique.
Performed under reducing conditions.

Predicted band size: 50 kDa
Observed band size :54 kDa

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