

Beta-Tubulin Loading Control Antibody, Mouse MAb



Catalog Number: 100109-MM05T

GENERAL INFORMATION

Immunogen:	A synthetic peptide corresponding to the N-terminus of the human beta-tubulin
Preparation	This product is a recombinant monoclonal antibody expressed from HEK293 cells.
Ig Type:	Mouse IgG2b
Clone ID:	05
Specificity:	Human, Mouse, Rat, Rabbit
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. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

APPLICATIONS

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

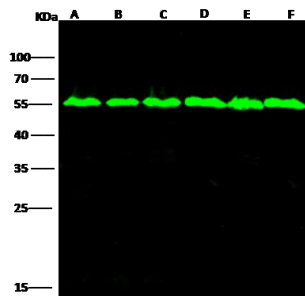
Western Blot	WB: 1/1000-1/100000
IHC-P	IHC-P: 1/2000-1/20000
ICC/IF	ICC/IF: 1/50-1/200
Immunoprecipitation	IP: 5-10 µL/mg of lysate

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

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Anti-Beta-Tubulin mouse monoclonal antibody at 1:2000 dilution

Lane A: HepG2 Whole Cell Lysate
Lane B: Daudi Whole Cell Lysate
Lane C: MOLT-4 Whole Cell Lysate
Lane D: A549 Whole Cell Lysate
Lane E: 293T Whole Cell Lysate
Lane F: HeLaS3 Whole Cell Lysate

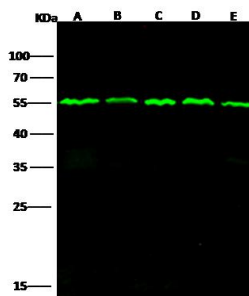
Lysates/proteins at 30 µg per lane.

Secondary

Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.

Developed using the Odyssey technique.
Performed under reducing conditions.

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



Anti-Beta-Tubulin mouse monoclonal antibody at 1:2000 dilution

Lane A: Jurkat Whole Cell Lysate
Lane B: 293T Whole Cell Lysate
Lane C: K562 Whole Cell Lysate
Lane D: HeLa Whole Cell Lysate
Lane E: RAW264.7 Whole Cell Lysate

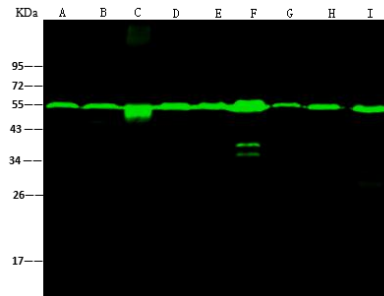
Lysates/proteins at 30 µg per lane.

Secondary

Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.

Developed using the Odyssey technique.
Performed under reducing conditions.

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



Anti-Beta-Tubulin mouse monoclonal antibody at 1:5000 dilution

Lane A: Mouse heart tissue lysate
Lane B: Mouse liver tissue lysate
Lane C: Mouse spleen tissue lysate
Lane D: Mouse lung tissue lysate
Lane E: Mouse kidney tissue lysate
Lane F: Mouse brain tissue lysate
Lane G: Mouse muscle tissue lysate
Lane H: Mouse stomach tissue lysate
Lane I: Mouse pancreas tissue lysate

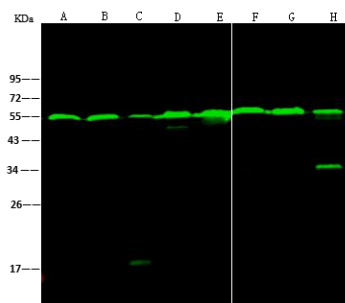
Lysates/proteins at 30 µg per lane.

Secondary

Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.

Developed using the Odyssey technique.
Performed under reducing conditions.

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



Anti-Beta-Tubulin mouse monoclonal antibody at 1:5000 dilution

Lane A: Rat heart tissue lysate
Lane B: Rat liver tissue lysate
Lane C: Rat spleen tissue lysate
Lane D: Rat lung tissue lysate
Lane E: Rat kidney tissue lysate
Lane F: Rat muscle tissue lysate
Lane G: Rat stomach tissue lysate
Lane H: Rat small intestine tissue lysate

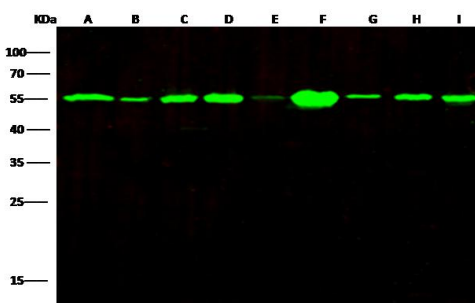
Lysates/proteins at 30 µg per lane.

Secondary

Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.

Developed using the Odyssey technique.
Performed under reducing conditions.

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



Anti-Beta-Tubulin mouse monoclonal antibody at 1:2000 dilution

Lane A: Rabbit heart tissue lysate
Lane B: Rabbit liver tissue lysate
Lane C: Rabbit spleen tissue lysate
Lane D: Rabbit lung tissue lysate
Lane E: Rabbit kidney tissue lysate
Lane F: Rabbit brain tissue lysate
Lane G: Rabbit muscle tissue lysate
Lane H: Rabbit stomach tissue lysate
Lane I: Rabbit small intestine tissue lysate

Lysates/proteins at 30 µg per lane.

Secondary

Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.

Developed using the Odyssey technique.
Performed under reducing conditions.

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

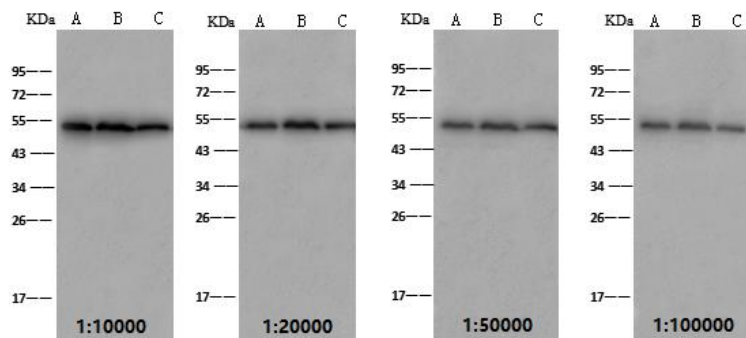
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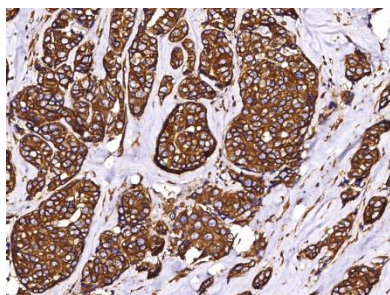


Anti-Beta-Tubulin mouse monoclonal antibody at 1:10000, 1:20000, 1:50000, 1:100000 dilution
Lane A: HepG2 Whole Cell Lysate
Lane B: Hela Whole Cell Lysate
Lane C: Raw246.7 Whole Cell Lysate

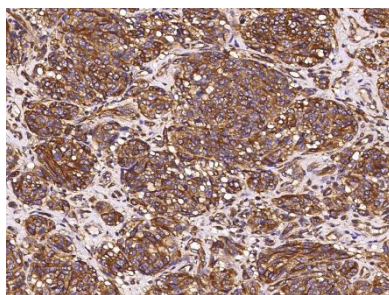
Lysates/proteins at 30 µg per lane.
Secondary
Rabbit Anti-Mouse IgG F(ab)₂/HRP at 1/10000 dilution.

Developed using the ECL technique.
Performed under reducing conditions.

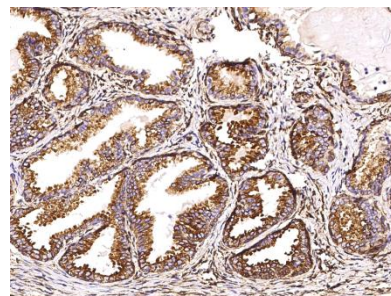
Predicted band size: 50 kDa
Observed band size: 54 kDa



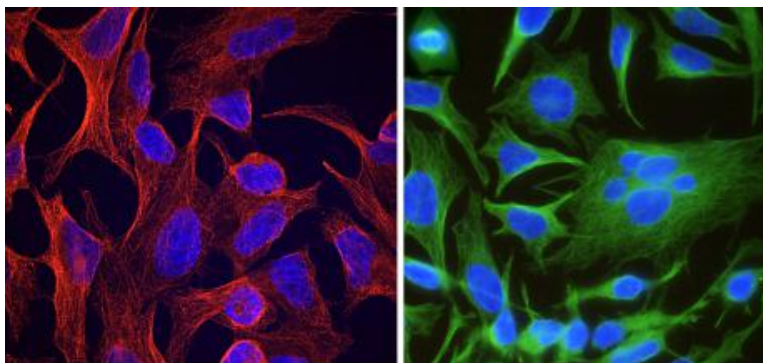
Immunohistochemical staining of human Tubulin in human breast carcinoma with mouse monoclonal antibody (1:20000, formalin-fixed paraffin embedded sections).



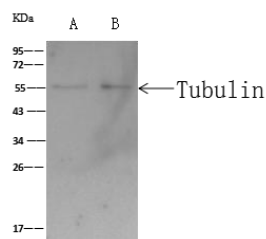
Immunohistochemical staining of human Tubulin in human malignant melanoma with mouse monoclonal antibody (1:20000, formalin-fixed paraffin embedded sections).



Immunohistochemical staining of human Tubulin in human prostate with mouse monoclonal antibody (1:20000, formalin-fixed paraffin embedded sections).



Immunofluorescence staining of Human Beta-Tubulin in Hela cells. Cells were fixed with 4% PFA, permeabilized with 1% Triton X-100 in PBS, blocked with 10% serum, and incubated with Mouse anti-Human Beta-Tubulin monoclonal antibody at 4°C overnight. Then cells were stained with the Alexa Fluor® 594-conjugated (left panel, captured by laser confocal scanning microscope) and Alexa Fluor® 488-conjugated (right panel, captured by fluorescence microscope) Goat Anti-mouse IgG secondary antibody, counterstained with DAPI (blue). Positive staining was localized to cytoskeleton.



Tubulin was immunoprecipitated using:
Lane A: 0.5 mg Jurkat Whole Cell Lysate
Lane B: 0.5 mg HepG2 Whole Cell Lysate

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

Primary antibody:
Anti-Tubulin mouse 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: 55 kDa
Observed band size: 55 kDa

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