TUBB Monoclonal Antibody

MACO0666

Description

This TUBB 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:	MACO0666
Contents:	50µl Bradford Reagent: 1 vial (2ml)
Category:	-
Synonyms:	Beta 4 tubulin antibody, Beta 5 tubulin antibody, beta Ib tubulin antibody, Beta1 tubulin antibody, Class I beta tubulin antibody, M40 antibody, MGC117247 antibody, MGC16435 antibody, OK/SW cl.56 antibody, OK/SWcl.56 antibody, TBB5_HUMAN antibody, TUBB 1 antibody, TUBB 2 antibody, TUBB 5 antibody, TUBB antibody, TUBB1 antibody, TUBB2 antibody, TUBB5 antibody, tubulin beta 1 chain antibody, Tubulin beta 2 chain antibody, tubulin beta 5 chain antibody, Tubulin beta chain antibody, Tubulin beta class I antibody, tubulin beta polypeptide antibody, Tubulin beta-5 chain antibody
Clone:	Monoclonal Antibody
Applications:	ELISA WB IHC IF FC IP
Conjugation:	Non-conjugated
Reactivity:	Human, Rat, Rabbit, Mouse

Antibody Data

Isotype:	IgG2b
Uniprot:	P04350 Q13509 Q13885 P07437 P68371 Q9D6F9 Q9BVA1
Host Species:	Mouse
Purification:	>95%, Protein A purified
Immunogen:	GAGNNWAKGHYTEGA synthetic peptide conjugate to KLH
Immunogen Species:	-

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Buffer:	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Form:	Liquid

Preparation & Storage

Storage: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Store Bradford Reagent at Room Temperature for 1 Year.

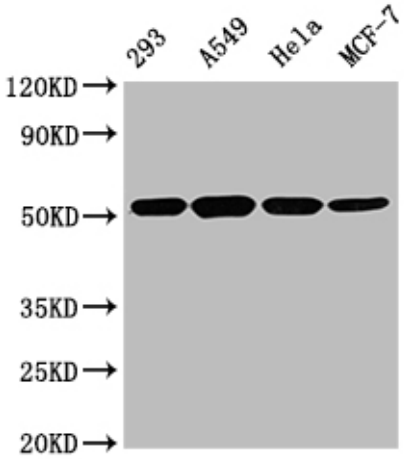
Recommended Dilutions:

Application	Recommended Dilution
WB	1:5000-1:640000
IHC	1:100-1:300
IF	1:50-1:200
FC	1:100-1:300
IP	1µl-2µl

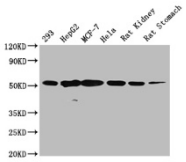
Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

Validation Data

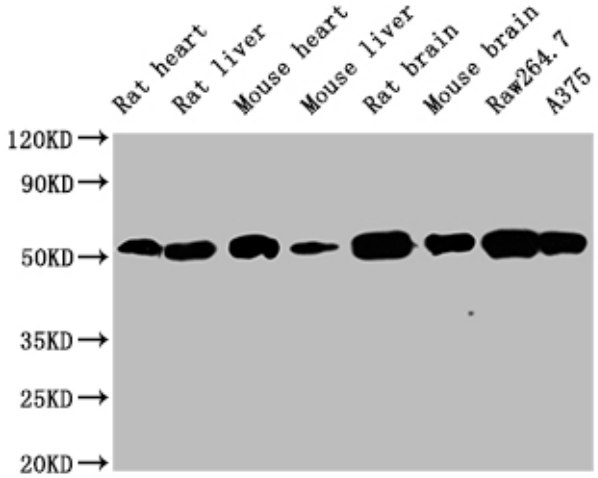
Image



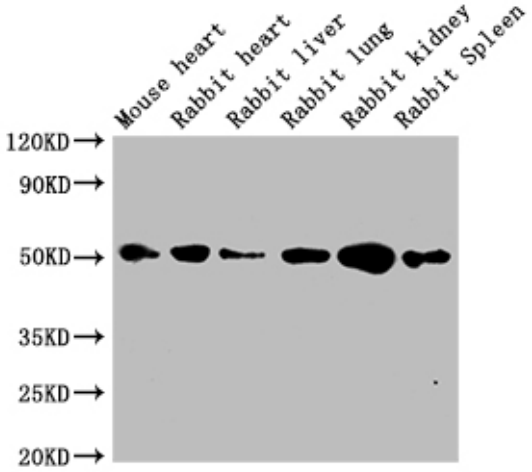
Description
Western Blot Positive WB detected in: 293 whole cell lysate, A549 whole cell lysate, Hela whole cell lysate, MCF-7 whole cell lysate All lanes TUBB antibody at 1:5000 Secondary Goat polyclonal to mouse IgG at 1/50000 dilution Predicted band size: 55 KDa Observed band size: 55 KDa Exposure time:5s



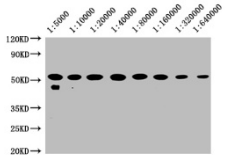
Western Blot Positive WB detected in: 293 whole cell lysate, HepG2 whole cell lysate, MCF-7 whole cell lysate, Hela whole cell lysate, Rat kidney tissue, Rat stomach tissue All lanes TUBB antibody at 1:5000 Secondary Goat polyclonal to mouse IgG at 1/50000 dilution Predicted band size: 55 KDa Observed band size: 55 KDa Exposure time:5min



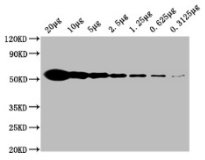
Western Blot Positive WB detected in: Rat heart tissue,Rat liver tissue, Mouse heart tissue, Mouse liver tissue, Rat brain tissue, Mouse brain tissue, Raw264.7 whole cell lysate, A375 whole cell lysate All lanes TUBB antibody at 1:5000 Secondary Goat polyclonal to mouse IgG at 1/50000 dilution Predicted band size: 55 KDa Observed band size: 55 KDa Exposure time:5min



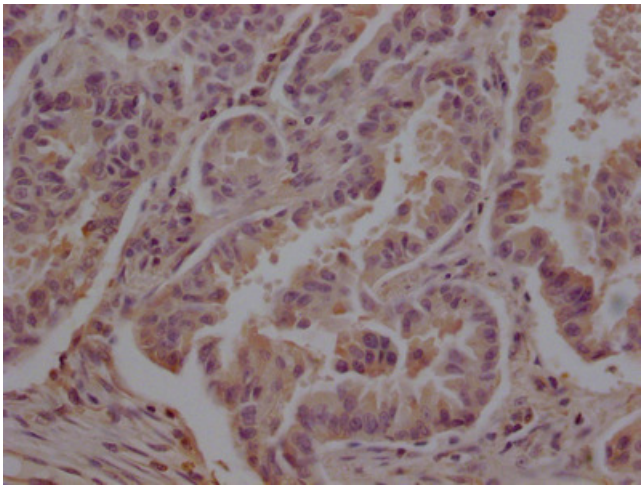
Western Blot Positive WB detected in: Mouse heart tissue, Rabbit heart tissue, Rabbit liver tissue, Rabbit lung tissue, Rabbit kidney tissue, Rabbit spleen tissue All lanes TUBB antibody at 1:5000 Secondary Goat polyclonal to mouse IgG at 1/50000 dilution Predicted band size: 55 KDa Observed band size: 55 KDa Exposure time:5min



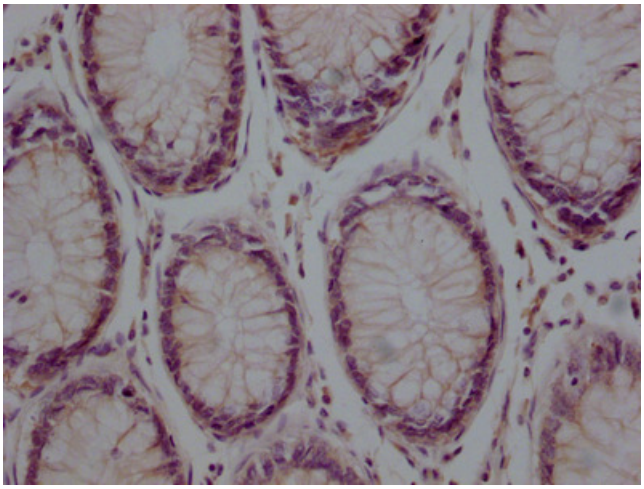
Western Blot Positive WB detected in: 20μg hela whole cell lysate TUBB antibody at 1:5000, 1:10000, 1:20000, 1:40000, 1:80000, 1:160000, 1:320000, 1:640000 Secondary Goat polyclonal to mouse IgG at 1/50000 dilution Predicted band size: 55 KDa Observed band size: 55 KDa Exposure time:5min



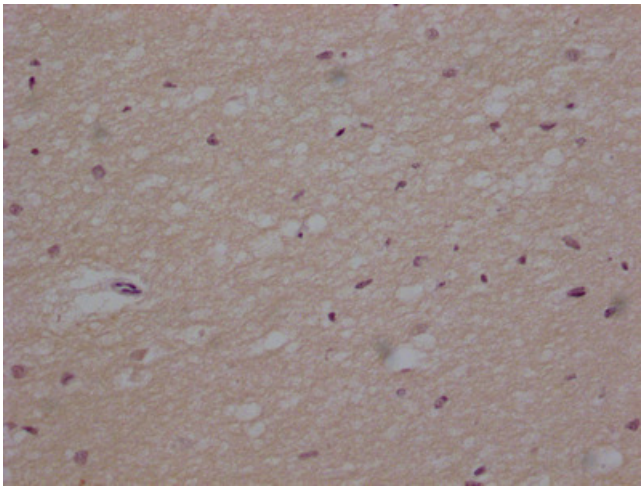
Western Blot Positive WB detected in: Hela whole cell lysate at 20μg, 10μg, 5μg, 2.5μg, 1.25μg, 0.625μg, 0.3125μg All lanes:TUBB antibody at 1:5000 Secondary Goat polyclonal to mouse IgG at 1/50000 dilution Predicted band size: 55 KDa Observed band size: 55 KDa Exposure time:5min



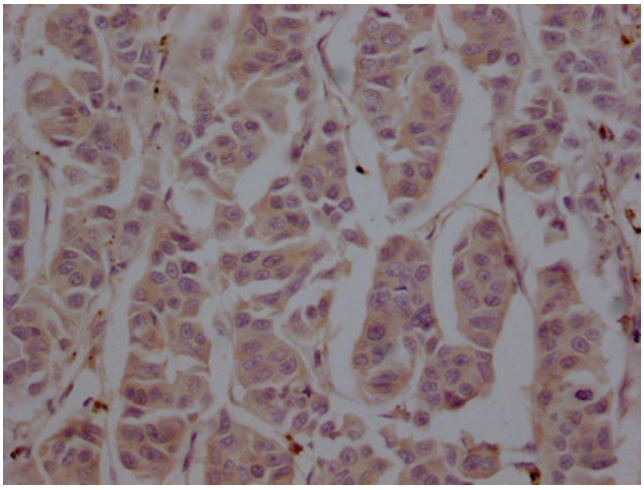
IHC image of MACO0666 diluted at 1:200 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at 37°C Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.



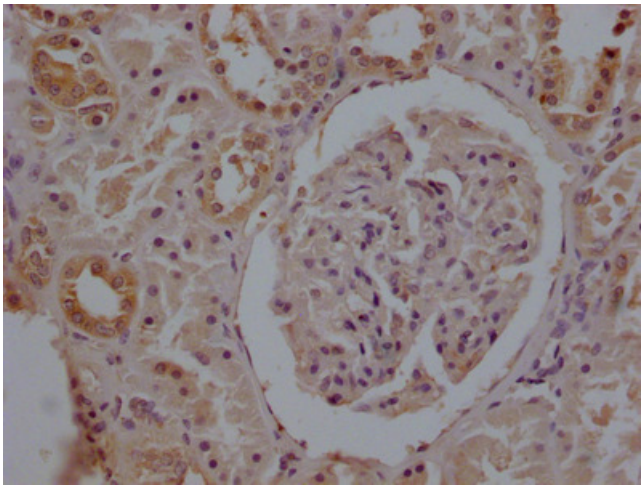
IHC image of MACO0666 diluted at 1:200 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at 37°C Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.



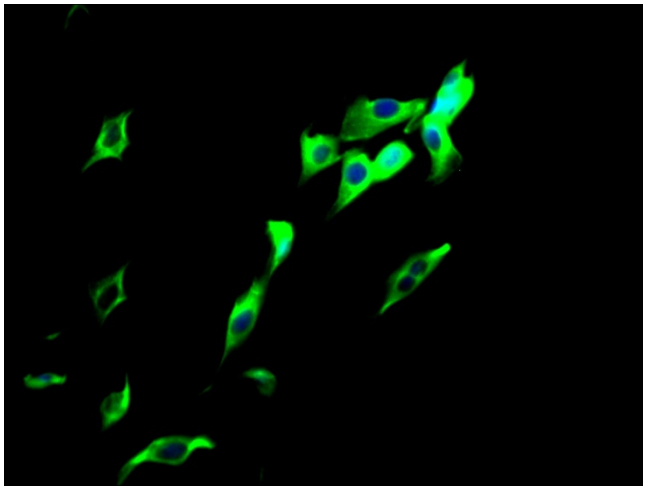
IHC image of MACO0666 diluted at 1:200 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at 37°C Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.



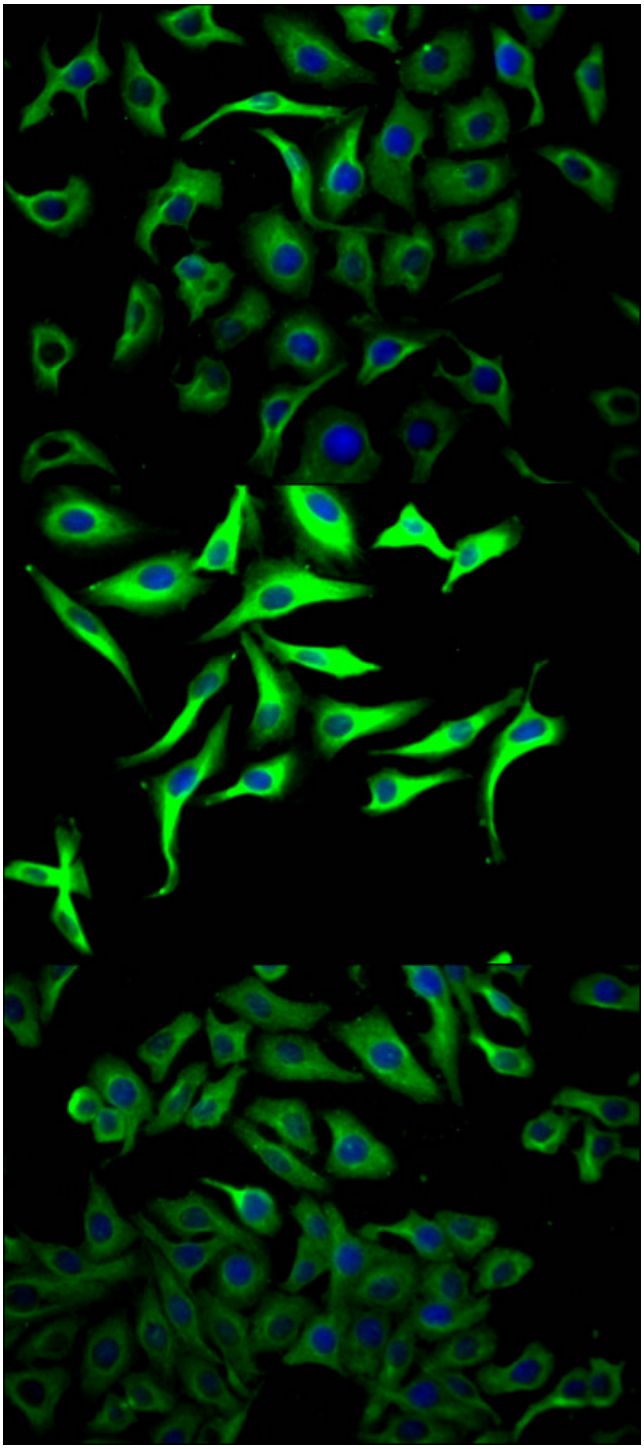
IHC image of MACO0666 diluted at 1:200 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at 37°C Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.



IHC image of MACO0666 diluted at 1:200 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at 37°C Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.



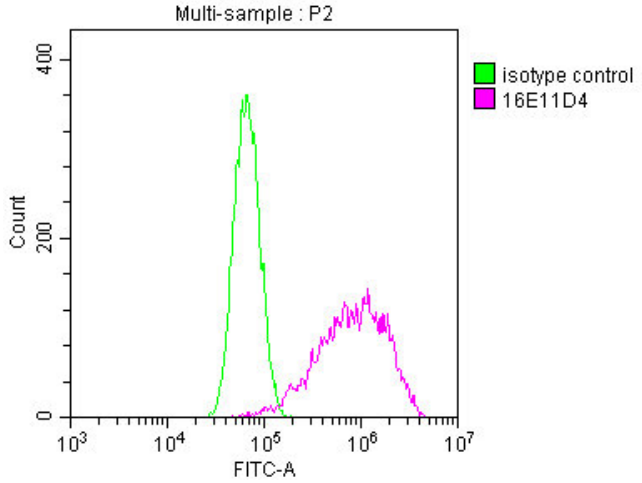
Immunofluorescence staining of NIH/3T3 cells with MACO0666 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



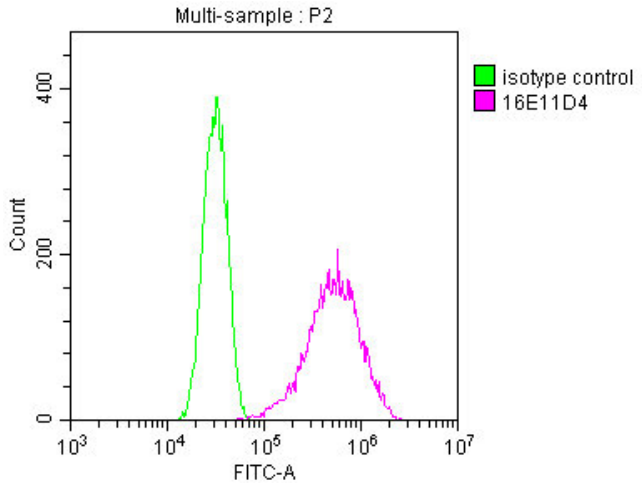
Immunofluorescence staining of A549 cells with MACO0666 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

Immunofluorescence staining of Hela cells with MACO0666 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

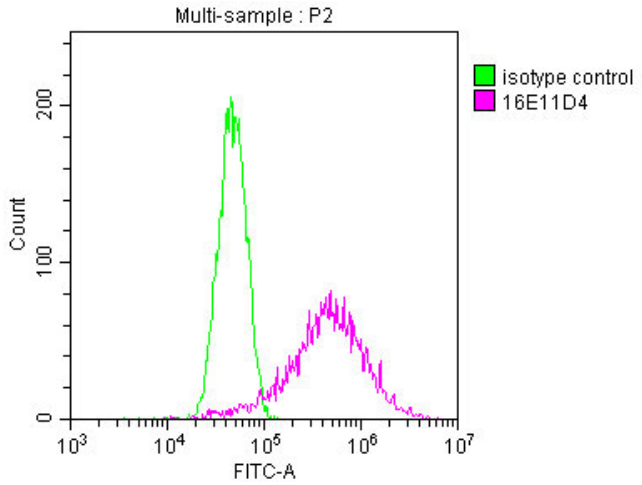
Immunofluorescence staining of HepG2 cells with MACO0666 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



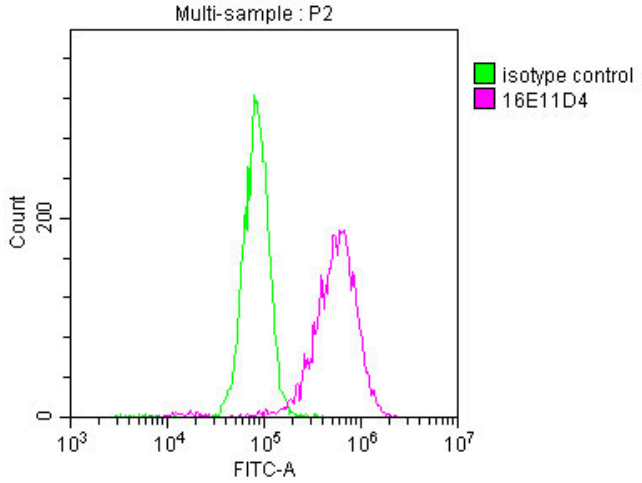
Overlay Peak curve showing A549 cells stained with MACO0666 (red line) at 1:200. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum was Incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1*106cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG2b (1µg/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.

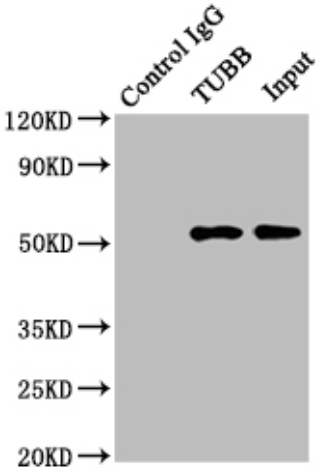


Overlay Peak curve showing HepG2 cells stained with MACO0666 (red line) at 1:200. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum was Incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1*106cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG2b (1µg/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



Overlay Peak curve showing MCF-7 cells stained with MACO0666 (red line) at 1:200. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum was Incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1*106cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG2b (1µg/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.





Overlay Peak curve showing NIH/3T3 cells stained with MACO0666 (red line) at 1:200. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum was Incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1*106cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG2b (1µg/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.

Immunoprecipitating TUBB in Hela whole cell lysate Lane 1: Mouse control IgG instead of MACO0666 in Hela whole cell lysate. Lane 2: MACO0666 (2µg) + Hela whole cell lysate (500µg) Lane 3: Hela whole cell lysate (5µg) For western blotting, the blot was detected with MACO0666 at 1:2000, and a HRP-conjugated Protein G antibody was used as the secondary antibody at 1:5000