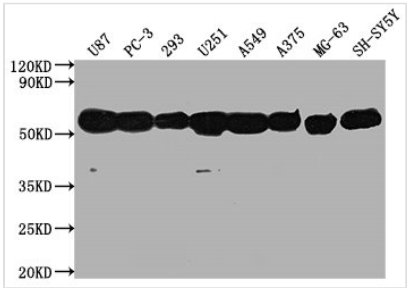
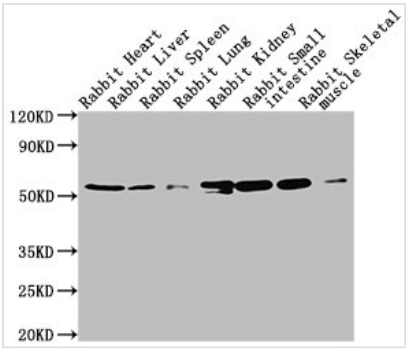
TUBA1A Monoclonal Antibody

Product Code	CSB-MA754656A0m
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q71U36
Immunogen	A synthesized peptide derived from human Tubulin alpha-1A chain (297-309aa)
Raised In	Mouse
Species Reactivity	Human, Rabbit, Rat, Mouse
Tested Applications	ELISA, WB, IHC, IF, FC, IP; Recommended dilution: WB: 1:20000-1:320000, IHC: 1:100-1:300, IF: 1:50-1:200, FC: 1:100-1:300, IP: 1μg-5μg
Relevance	Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha chain.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein A purified
Isotype	IgG2a
Clonality	Monoclonal Antibody
Product Type	Tag Control Antibody
Immunogen Species	Homo sapiens (Human)
Target Names	TUBA1A
Clone No.	7E5C12

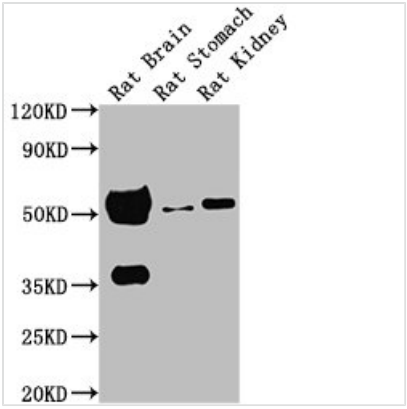
Image



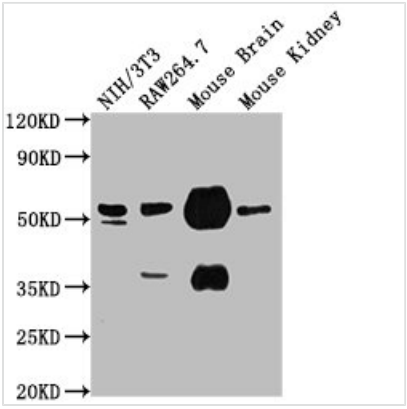
Western Blot
Positive WB detected in: U87 whole cell lysate, PC-3 whole cell lysate, 293 whole cell lysate, U251 whole cell lysate, A549 whole cell lysate, A375 whole cell lysate, MG-63 whole cell lysate, SH-SY5Y whole cell lysate,
All lanes: TUBA1A antibody at 1:5000
Secondary
Goat polyclonal to Mouse IgG at 1/10000 dilution
Predicted band size: 52 kDa
Observed band size: 52 kDa



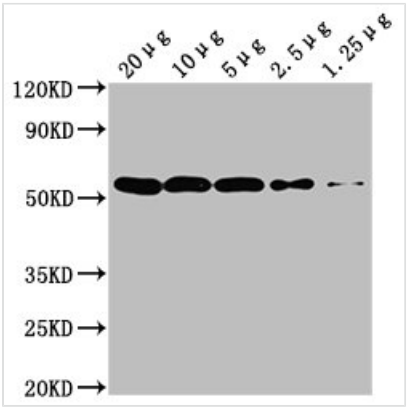
Western Blot
Positive WB detected in: Rabbit heatrt tissue, Rabbit liver tissue, Rabbit spleen tissue, Rabbit lung tissue, Rabbit kidney tissue, Rabbit small intestine tissue, Rabbit skeletal muscle tissue
All lanes: TUBA1A antibody at 1:5000
Secondary
Goat polyclonal to Mouse IgG at 1/10000 dilution
Predicted band size: 52 kDa
Observed band size: 52 kDa



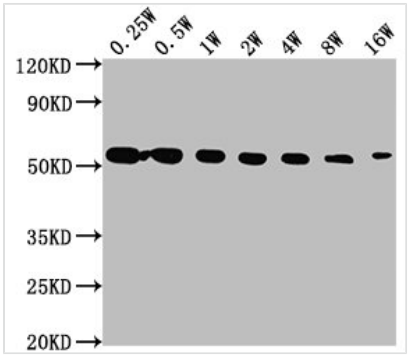
Western Blot
Positive WB detected in: Rat brain tissue, Rat stomach tissue, Rat kidney tissue
All lanes: TUBA1A antibody at 1:5000
Secondary
Goat polyclonal to Mouse IgG at 1/10000 dilution
Predicted band size: 52 kDa
Observed band size: 52 kDa



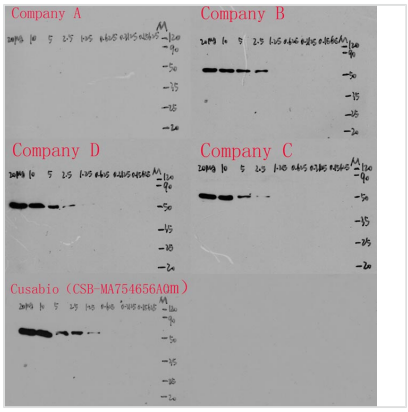
Western Blot
Positive WB detected in: NIH/3T3 whole cell lysate, RAW264.7 whole cell lysate, Mouse brain tissue, Mouse kidney tissue
All lanes: TUBA1A antibody at 1:5000
Secondary
Goat polyclonal to Mouse IgG at 1/10000 dilution
Predicted band size: 52 kDa
Observed band size: 52 kDa



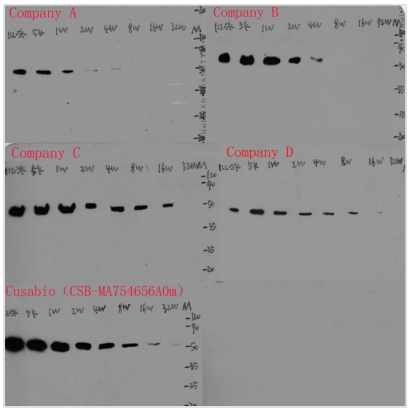
Western Blot
Positive WB detected in: Hela whole cell lysate at 20μg, 10μg, 5μg, 2.5μg, 1.25μg
All lanes: TUBA1A antibody at 1:5000
Secondary
Goat polyclonal to Mouse IgG at 1/10000 dilution
Predicted band size: 52 kDa
Observed band size: 52 kDa



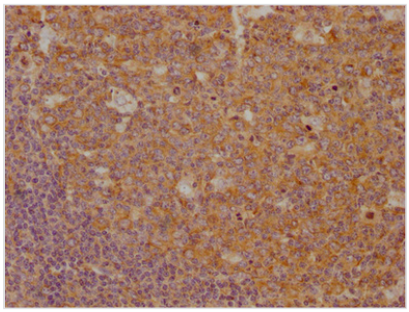
Western Blot
Positive WB detected in: Hela whole cell lysate
All lanes: TUBA1A antibody at 1:2500, 1:5000, 1:10000, 1:20000, 1:40000, 1:80000, 1:160000
Secondary
Goat polyclonal to Mouse IgG at 1/10000 dilution
Predicted band size: 52 kDa
Observed band size: 52 kDa



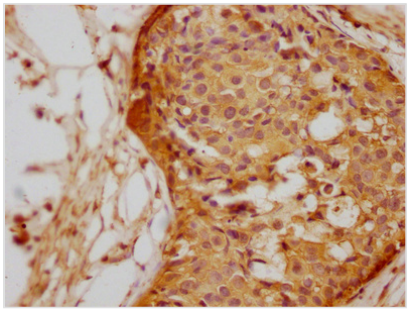
Western Blot
Positive WB detected in: Hela whole cell lysate at 20μg, 10μg, 5μg, 2.5μg, 1.25μg, 0.625μg, 0.3125μg, 0.15625μg
All lanes: Company A, Company B, Company C, Company D, CSB-MA754656A0m antibody at 1:5000
Secondary
Goat polyclonal to Mouse IgG at 1/10000 dilution
Predicted band size: 52 kDa
Observed band size: 52 kDa



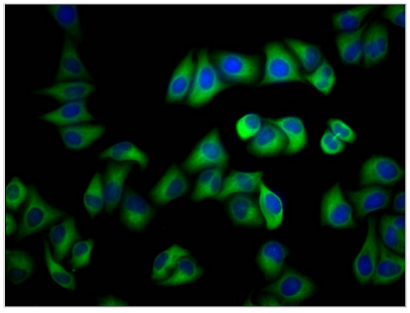
Western Blot
Positive WB detected in: Hela whole cell lysate
All lanes: Company A, Company B, Company C, Company D, CSB-MA754656A0m antibody at 1:2500, 1:5000, 1:10000, 1:20000, 1:40000, 1:80000, 1:160000, 320000
Secondary
Goat polyclonal to Mouse IgG at 1/10000 dilution
Predicted band size: 52 kDa
Observed band size: 52 kDa



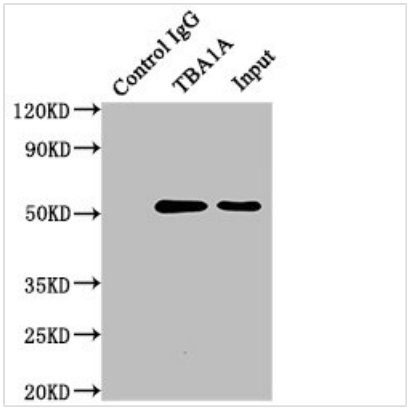
IHC image of CSB-MA754656A0m diluted at 1:150 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



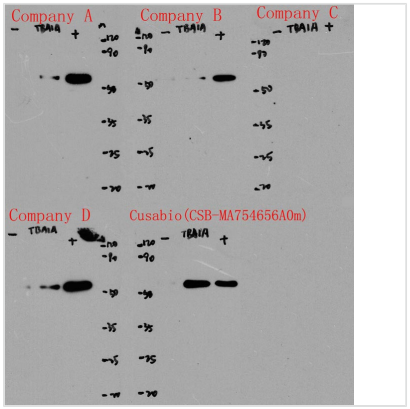
IHC image of CSB-MA754656A0m diluted at 1:150 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



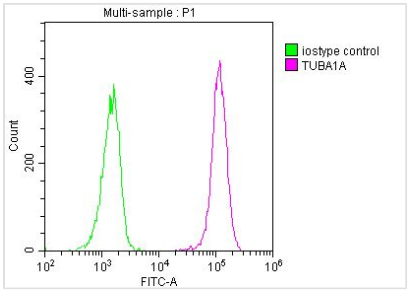
Immunofluorescence staining of Hela cells with CSB-MA754656A0m at 1:75, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



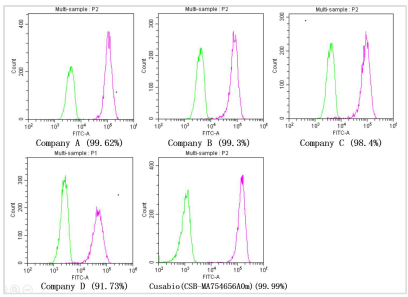
Immunoprecipitating TUBA1A in Hela whole cell lysate
Lane 1: Mouse control IgG (1µg) instead of CSB-MA754656A0m in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)
Lane 2: CSB-MA754656A0m (5µg) + Hela whole cell lysate (500µg)
Lane 3: Hela whole cell lysate (20µg)



Immunoprecipitating TUBA1A in Hela whole cell lysate
Lane 1: Mouse control IgG (1µg) instead of CSB-MA754656A0m in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)
Lane 2: Company A (5µg), Company B (5µg), Company C (5µg), Company D (5µg), CSB-MA754656A0m (5µg) + Hela whole cell lysate (500µg)
Lane 3: Hela whole cell lysate (20µg)



Overlay histogram showing Hela cells stained with CSB-MA754656A0m (red line) at 1:150. The cells were incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4°C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4°C. Isotype control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.



Overlay histogram showing Hela cells stained with Company A (5µg), Company B (5µg), Company C (5µg), Company D (5µg), CSB-MA754656A0m (5µg) (red line) at 1:150. The cells were incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4°C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4°C. Isotype control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.

Usage

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