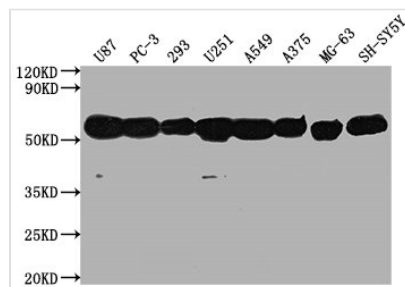




# TUBA1A Monoclonal Antibody

|                            |                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-MA754656A0m                                                                                                                                                                   |
| <b>Storage</b>             | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                                                                                     |
| <b>Uniprot No.</b>         | Q71U36                                                                                                                                                                            |
| <b>Immunogen</b>           | A synthesized peptide derived from human Tubulin alpha-1A chain (297-309aa)                                                                                                       |
| <b>Raised In</b>           | Mouse                                                                                                                                                                             |
| <b>Species Reactivity</b>  | Human, Rabbit, Rat, Mouse                                                                                                                                                         |
| <b>Tested Applications</b> | 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                                            |
| <b>Relevance</b>           | 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. |
| <b>Form</b>                | Liquid                                                                                                                                                                            |
| <b>Conjugate</b>           | Non-conjugated                                                                                                                                                                    |
| <b>Storage Buffer</b>      | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                                                                                                  |
| <b>Purification Method</b> | >95%, Protein A purified                                                                                                                                                          |
| <b>Isotype</b>             | IgG2a                                                                                                                                                                             |
| <b>Clonality</b>           | Monoclonal Antibody                                                                                                                                                               |
| <b>Product Type</b>        | Tag Control Antibody                                                                                                                                                              |
| <b>Immunogen Species</b>   | Homo sapiens (Human)                                                                                                                                                              |
| <b>Target Names</b>        | TUBA1A                                                                                                                                                                            |
| <b>Clone No.</b>           | 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,

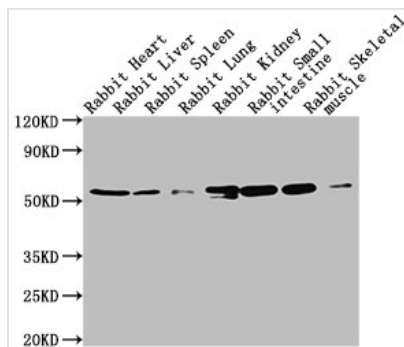
All lanes: TUBA1A antibody at 1:5000

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 heart tissue, Rabbit liver tissue, Rabbit spleen tissue, Rabbit lung tissue, Rabbit kidney tissue, Rabbit small intestine tissue, Rabbit skeletal muscle tissue

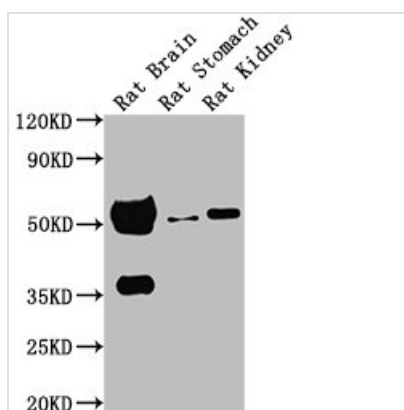
All lanes: TUBA1A antibody at 1:5000

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

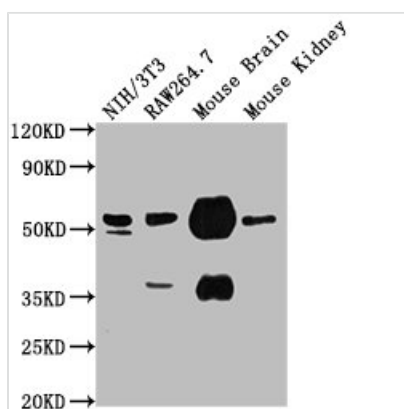
All lanes: TUBA1A antibody at 1:5000

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

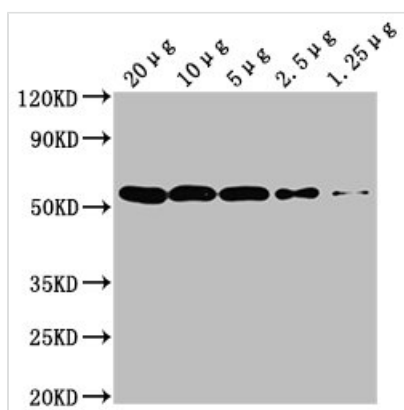
All lanes: TUBA1A antibody at 1:5000

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

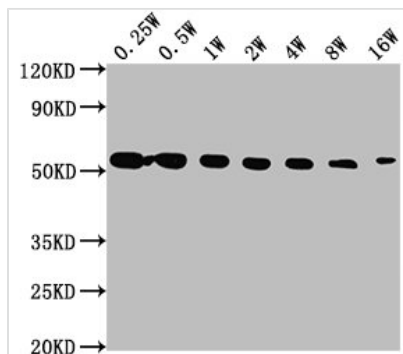
All lanes: TUBA1A antibody at 1:5000

Secondary

Goat polyclonal to Mouse IgG at 1/10000 dilution

Predicted band size: 52 kDa

Observed band size: 52 kDa

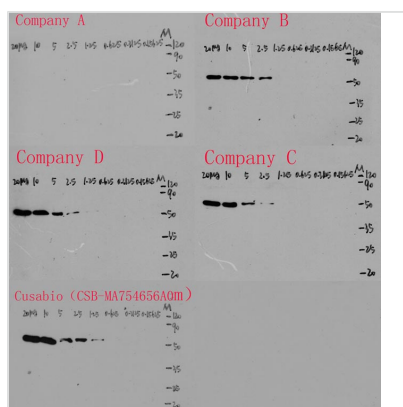


#### Western Blot

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



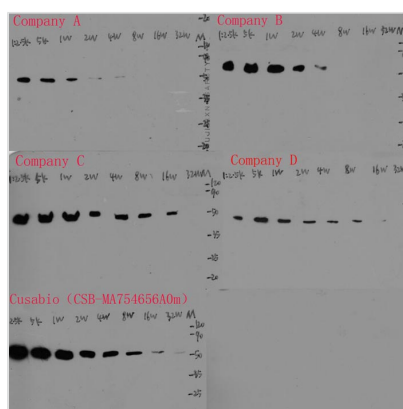
#### Western Blot

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

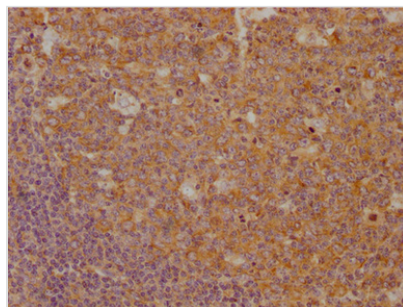


#### Western Blot

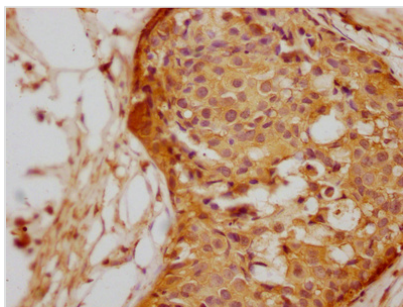
Positive WB detected in: Hela whole cell lysate  
All lanes: Company A, Company B, Company C, Company D, CSB-MA754656A0m antibody at 1:2500, 1:5000, 1:10000, 1:20000, 1:40000, 1:80000, 1:160000, 320000

#### Secondary

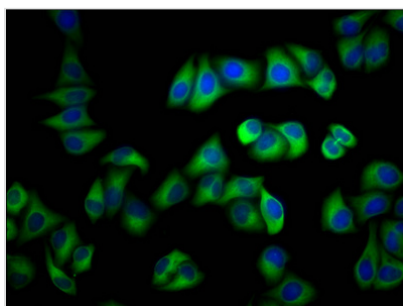
Goat polyclonal to Mouse IgG at 1/10000 dilution  
Predicted band size: 52 kDa  
Observed band size: 52 kDa



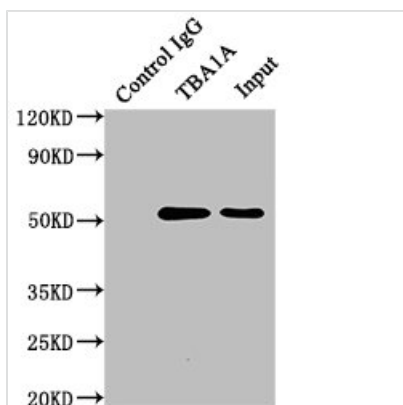
IHC image of CSB-MA754656A0m diluted at 1:150 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 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 Bond™ 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-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

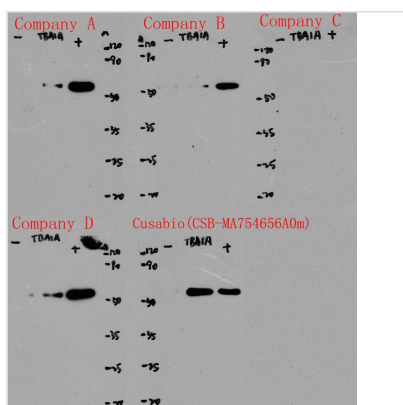


Immunoprecipitating TUBA1A in Hela whole cell lysate

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)

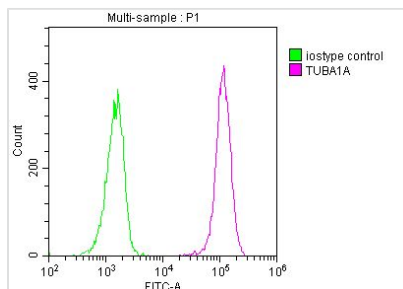


Immunoprecipitating TUBA1A in Hela whole cell lysate

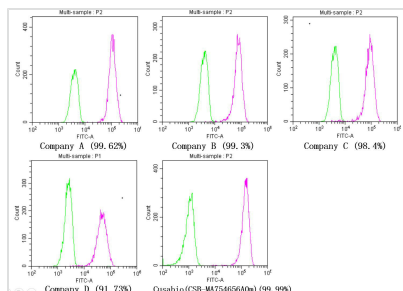
Lane 1: Mouse control IgG (1μg) instead of CSB-MA754656A0m in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)

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.