

## Anti-TUBB Antibody (7F120)

### Product Details

Ig Type:	hIgG1
Reactivity:	Human, Mouse
Conjugation:	Unconjugated
Clone:	7F120
Purification:	Affinity-chromatography

### Applications

#### 1. Western Blot

- Positive WB detected in:A431 whole cell lysate (20µg), SH-SY5Y whole cell lysate (20µg), U251 whole cell lysate (20µg), 293T whole cell lysate (20µg), HepG2 whole cell lysate (20µg), K562 whole cell lysate (20µg), MCF7 whole cell lysate (20µg), NIH/3T3 whole cell lysate (20µg)
- All lanes: TUBB antibody at 1:1000
- Secondary: Goat polyclonal to human IgG at 1/40000 dilution
- Predicted band size:49 kDa
- Observed band size:55 kDa
- Exposure time:5s

2. IHC image of TMAH-01225 diluted at 1 : 200 and staining in paraffin-embedded human tonsil tissue 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 Goat anti-human polymer IgG labeled by HRP and visualized using 0.05% DAB.

3. IHC image of TMAH-01225 diluted at 1 : 200 and staining in paraffin-embedded human brain tissue 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 Goat anti-human polymer IgG labeled by HRP and visualized using 0.05% DAB.

4. IHC image of TMAH-01225 diluted at 1 : 200 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 Goat anti-human polymer IgG labeled by HRP and visualized using 0.05% DAB.

5. Immunofluorescence staining of Hela cell with TMAH-01225 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Human IgG(H+L).

6. Overlay Peak curve showing K562 cells stained with TMAH-01225 (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1\*10<sup>6</sup> cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-human IgG (H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was human IgG

#### Verified Activity:

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(1ug/1\*10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.

Application: ELISA,FCM,IF,IHC,WB

Recommended WB:1:500-1:2000; IHC:1:50-1:200; IF:1:50-1:200; FCM:1:50-1:200.

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### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: Recombinant Protein: Human TUBB Protein

Antigen Species: Human

Gene ID: 203068

Uniprot ID: P07437

Biology Area: Isotype/Loading Controls, Tags & Cell Markers, Signal transduction

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### Research Background

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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