

## alpha Tubulin Monoclonal Antibody

catalog number: **E-AB-48012**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

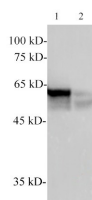
<b>Reactivity</b>	Human;Mouse;E.coli;Scallop;Zebrafish
<b>Immunogen</b>	Recombinant human TUBA protein
<b>Host</b>	Mouse
<b>Isotype</b>	IgG2a
<b>Clone</b>	2H2
<b>Purification</b>	Protein A/G Purification
<b>Buffer</b>	PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

### Applications

### Recommended Dilution

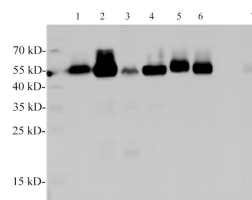
<b>WB</b>	1:2000-5000
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### Data



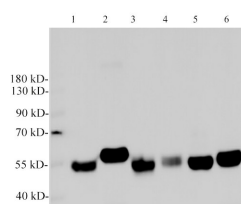
Western Blotting with anti-TUBA monoclonal antibody at dilution of 1:3000. Lane 1: Scallop Muscle lysates, Lane 2: Zebrafish lysates

**Observed-MW:55 kDa**  
**Calculated-MW:55 kDa**



Western Blotting with anti-TUBA monoclonal antibody at dilution of 1:2000. Lane 1: Hela cell lysates, Lane 2: jurkat cell lysates, Lane, 3: 293T lysates, Lane 4: MCF-7 cell lysates, Lane 5: HT-29 cell lysates, Lane 6: HepG2 cell lysates, Lane 7: Rat kidney lysates

**Observed-MW:55 kDa**  
**Calculated-MW:55 kDa**



Western Blotting with anti-TUBA monoclonal antibody at dilution of 1:2000. Lane 1: NIH/3T3 cell lysates, Lane 2: Raw264.7 cell lysates, Lane 3: Mouse heart lysates, Lane 4: Mouse spleen lysates, Lane 5: Mouse brain lysates, Lane 6: Mouse kidney lysates

**Observed-MW:55 kDa**  
**Calculated-MW:55 kDa**

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### For Research Use Only

## Background

Tubulin is a highly conserved  $\alpha\beta$  dimeric protein present and is essential for all eukaryotes.  $\alpha\beta$ -Tubulin dimers assemble into microtubules, dynamic polymers important in a variety of functions, most noticeably, mitosis. Tubulin assembly and disassembly are linked to guanosine triphosphate hydrolysis.

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