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**Product Name: TUBB3 Mouse Monoclonal Antibody****Catalog #: AMM80763**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ICC,ELISA,FC
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	PBS containing 0.03% sodium azide.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	50~55kDa

**Antigen Information**

<b>Gene Name</b>	TUBB3
<b>Alternative Names</b>	tubulin, beta 3; MC1R; TUBB4
<b>Gene ID</b>	10381.0
<b>SwissProt ID</b>	Q13509
<b>Immunogen</b>	Purified recombinant fragment of human TUBB3 expressed in E. Coli.

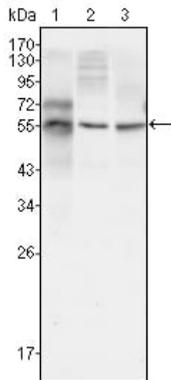
**Background**

Tubulin, beta 3, also known as TUBB3. 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. Tubulin is a highly conserved protein with a molecular weight of ~50 kD. Microtubules play key roles in chromosome segregation in mitosis, intracellular

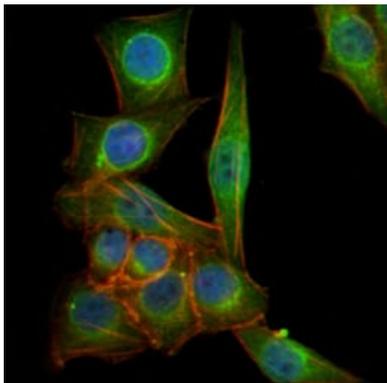
transport, ciliary and flagellar bending, and structural support of the cytoskeleton. The two main tubulin isoforms,  $\alpha$ - and

## Research Area

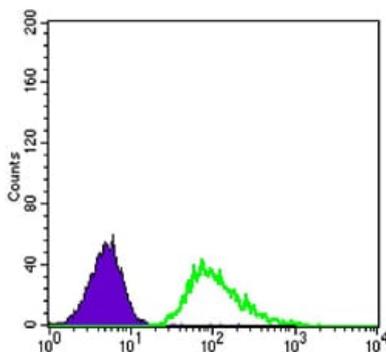
## Image Data



Western blot analysis using TUBB3 mouse mAb against HepG2 (1), A549 (2) and HeLa (3) cell lysate.



Immunofluorescence analysis of PANC-1 cells using TUBB3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of A549 cells using TUBB3 mouse mAb (green) and negative control (purple).