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Anti-βI-Tubulin Mouse mAb [40D89]

Catalog No.: A32082

Basic Information

Catalog No. (Cat.No.)	A32082
Host species	Mouse
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF
Synonyms	βI-Tubulin,TUBB1,Tubulin beta-1 chain,TUBB2A,TUBB2,Tubulin beta-2A chain,TUBB2B,Tubulin beta-2B chain,TUBB4B,TUBB2C,Tubulin beta-4B chain,Tubulin beta-2 chain,Tubulin beta-2C chain,TUBB3,TUBB4,Tubulin beta-3 chain,Tubulin beta-4 chain,Tubulin beta-III,TUBB4A,TUBB4,TUBB5,Tubulin beta-4A chain,Tubulin 5 beta,Tubulin beta-4 chain,TUBB,TUBB5,OK/SW-cl.56,Tubulin beta chain,Tubulin beta-5 chain,TUBB6,Tubulin beta-6 chain,TUBB8,Tubulin beta-8 chain

Product Information

Target	βI-Tubulin
Molecular Weight(Calculated)	50 kDa
Molecular Weight(Observed)	50 kDa
Isotype	NA
Conjugation	NA
Concentration	Please check the information on the tube.
Clonality	Monoclonal
Clone No.	40D89
RRID	NA
Storage buffer	50% Glycerol, 0.5% BSA and 0.02% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:500-1:10000
IHC	1:50-1:300
IF	1:200

Target Information

Protein Name	β1-tubulin
Gene Name	*TUBB*
Domain	NA
Background	β-Tubulin belongs to tubulin family and controls microtubule dynamics, cell division and molecular motor anchoring. β□Tubulin forms heterodimers with α□Tubulin and constitutes microtubule plus end, governing dynamic instability for microtubule growth and shrinkage. Multiple tissue-specific β-tubulin isoforms exist, such as neuron-specific βIII-Tubulin (Tuj1) involved in neuronal differentiation. β-Tubulin is stably expressed across most cell types and used as loading control for WB and IF. Isoform switching or mutations may confer resistance to taxane-class microtubule-targeting drugs. It is widely applied in cytoskeleton, mitosis, neuronal differentiation and anti-tumour drug resistance researches.