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HRP Anti-β-Tubulin Mouse mAb [48H29]

Catalog No.: A35001

Basic Information

Catalog No. (Cat.No.)	A35001
Host species	Mouse
Reactivity	Human,Mouse,Rat
Applications	WB
Synonyms	β-Tubulin,Tubb5,Beta 5 tubulin,Class I beta tubulin,Tubulin beta class I,TUBB1,TUBB,TUBB5,Tubulin Beta-5 Chain,β tubulin,CDCBM6

Product Information

Target	β-Tubulin
Molecular Weight(Calculated)	50 kDa
Molecular Weight(Observed)	50 kDa
Isotype	IgG
Conjugation	HRP
Concentration	NA
Clonality	Monoclonal
Clone No.	48H29
RRID	NA
Storage buffer	50% Glycerol, 1% BSA and 0.03% 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	1:1000-1:3000

Target Information

Protein Name	NA
Gene Name	*NA*
Domain	Full length
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.