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Anti-βII-Tubulin Rabbit pAb (A72232)

Catalog No.: A72232

Basic Information

Catalog No. (Cat.No.)	A72232
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IF
Synonyms	βII-Tubulin,Tubulin beta-2A chain

Product Information

Target	βII-Tubulin
Molecular Weight(Calculated)	50 kDa
Molecular Weight(Observed)	50 kDa
Isotype	IgG
Conjugation	NA
Concentration	1 mg/ml
Clonality	Polyclonal
Clone No.	NA
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	1:500-1:2000
IF	1:100-1:500

Target Information

Protein Name	Tubulin beta-2A chain
Gene Name	*TUBB2A*
Domain	human β II Tubulin, aa 80-130
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.