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Anti-ε-Tubulin Mouse mAb [30G62]

Catalog No.: A32074

Basic Information

Catalog No. (Cat.No.)	A32074
Host species	Mouse
Reactivity	Human,Mouse,Rat
Applications	IHC,IF
Synonyms	Epsilon Tubulin,ε-Tubulin,Tubulin epsilon 1,TUBE1

Product Information

Target	ε-Tubulin
Molecular Weight(Calculated)	NA
Molecular Weight(Observed)	NA
Isotype	NA
Conjugation	NA
Concentration	1 mg/ml
Clonality	Monoclonal
Clone No.	30G62
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
IHC	1:100-1:200
IF	1:50-1:200

Target Information

Protein Name	Tubulin epsilon
Gene Name	*TUBE1*
Domain	NA
Background	Tubulin belongs to the tubulin superfamily and governs centriole assembly, centrosome maturation and cell□cycle homeostasis. ε□Tubulin specifically localizes to centrioles and contributes to the formation of mother□centriole appendages, acting as an essential molecule for centriole duplication and assembly of functional mature centrosomes. Loss□of□function of ε□Tubulin directly induces centriole morphological defects and aberrant centrosome copy numbers, which disrupt spindle organization, cause chromosome mis□segregation and drive genomic instability. Its abundance is tightly cell□cycle□regulated and markedly elevated in highly proliferative cells. ε□Tubulin does not participate in cytoplasmic microtubule cytoskeleton and acts specifically within centriole complexes. It is widely used in mechanistic researches of centriole biology, centrosome duplication, cell□cycle control, genome stability and oncogenesis.