Anti-beta III Tubulin Mouse mAb

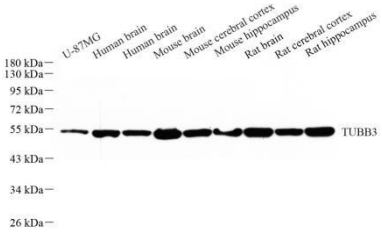
GB12139 -20℃

Product Information			
Protein full name	Tubulin beta-3 chain		
Synonyms	TUBB3, CDCBM, CDCBM1, CFEOM3, CFEOM3A, FEOM3, TUBB4, beta-4, tubulin beta 3 class III, β 3- tubulin, TUJ-1,TUJ 1, TUJ1, tuj1		
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse β3- tubulin		
Uniprot ID	Q9ERD7, Q4QRB4		
Isotype	IgG2b, κ		
Purity	Affinity purification		
Subcellular location	Cytoplasm		
Predicted MW. / Observed MW.	55 kDa / 55 kDa		
Applications			
WB	Human, Mouse, Rat	1: 1000-1: 2000	cerebral cortex, hippocampus, brain
ICC/IF	Mouse	1: 500-1: 1000	Neuro-2a
Storage			
Storage	Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.		
Storage Buffer	PBS with 0.02% sodium azide, 100 μg/mL BSA and 50% glycerol.		

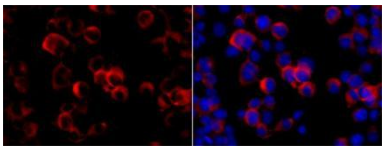
Background

Cysteine residues in class III β-tubulin are actively involved in regulating ligand interactions and microtubule formation. Proteomic analysis has revealed that many factors bound to these cysteine residues are involved in the oxidative stress and glucose deprivation response.This is particularly interesting in light of the fact that class III β-tubulin first appears in the phylogenetic tree when life emerged from the seas and cells were exposed to atmospheric oxygen.

Images



Western blot analysis of β-III-Tubulin (GB12139) at dilution of 1: 1000



Immunocytochemistry analysis of mouse Neuro-2a cells using β-III-Tubulin {DAPI nuclear stain (blue),β-III-Tubulin (red)} (GB12139) at dilution of 1: 1000.

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