

Recombinant Anti-beta III Tubulin antibody (HRP Conjugated)

ZB15139-HRP -20°C

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 beta III- Tubulin
Uniprot ID	Q9ERD7
Conjugation	HRP
Purity	Affinity purification
Predicted MW. / Observed MW.	55 kDa / 55 kDa

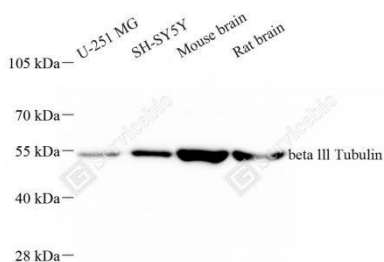
Applications			
Applications	Species	Dilution	Positive Tissue
WB	Human, Mouse, Rat	1: 1000-1: 2000	U-251 MG, SH-SY5Y, brain
Incubation condition	After blocking, incubate the membrane with HRP conjugated Anti-beta III Tubulin antibody(ZB15139-HRP) for 3-4 hours at room temperature (20-25°C) or overnight at 4°C, and then wash the membrane 3 times for 5 mins each with TBST		

Storage	
Storage	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Storage Buffer	PBS with 0.15% ProClin300, 100 μ g/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



WB analysis of beta III Tubulin(ZB15139-HRP).
 Sample: Protein treated by RIPA Lysis Buffer (G2002).
 Blocking buffer: 3% Nonfat dry milk (GC310001) in TBST, RT, 1h.
 Antibody: HRP conjugated anti-beta III Tubulin
 antibody 1: 2000, 4°C overnight.

For Research Use Only!
 Ver. No.: V2.0-202409