

Basic Information

Product Name	Anti-Beta Tubulin/TUBB Antibody	
Gene Name	TUBB	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG1	
Species Reactivity	human,mouse,rat	
Tested Application	WB, ICC/IF, FCM	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Beta Tubulin, identical to the related mouse and rat sequences.	
Purification	protein G purified.	
Observed MW	55 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-400
	Flow Cytometry (Fixed):	1:50-200

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Tubulin beta chain is a protein that in humans is encoded by the TUBB gene. This gene encodes a beta tubulin protein. This protein forms a dimer with alpha tubulin and acts as a structural component of microtubules. Mutations in this gene cause cortical dysplasia, complex, with other brain malformations 6. Alternative splicing results in multiple splice variants. There are multiple pseudogenes for this gene on chromosomes 1,6,7,8,9, and 13.

Reference

Anti-Beta Tubulin/TUBB Antibody被引用在5文献中。

Selected Validation Data

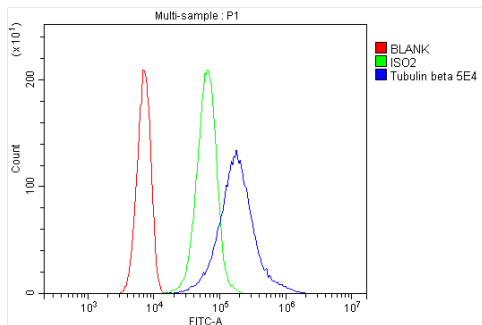


Figure 3. Flow cytometry analysis of SiHa cell (1:100) DyLight 488 conjugated goat anti-mouse IgG(blue) was used as secondary antibody. Isotype control antibody (Green line) was mouse IgG DyLight 488. Unlabelled sample (Red line).

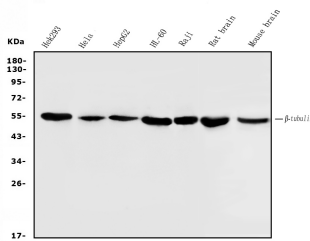


Figure 1. Western blot analysis of anti- TUBB antibody (M01857-3). The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: human HEK293 whole cell lysates,Lane 2: human HELA whole cell lysates,Lane 3: human HepG2 whole cell lysates,Lane 4: human HL-60 whole cell lysates,Lane 5: human Raji whole cell lysates,Lane 6: rat brain tissue lysates,Lane 7: mouse brain tissue lysates.Use rabbit anti- TUBB 1:1000, probed with a goat anti- mouse IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001). A specific band was detected for TUBB at approximately 55KD. The expected band size for TUBB is at 55KD.

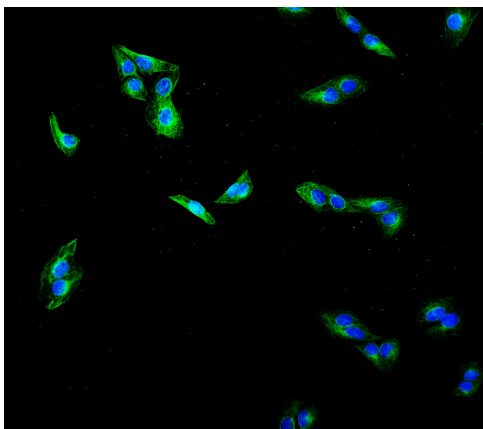


Figure 2. ICC analysis using anti- TUBB antibody (M01857-3). was detected in immersion fixed A431 cell. Cells were stained using the Dylight488-conjugated Anti-mouse IgG Secondary Antibody (green)(Catalog # BA1126) and counterstained with DAPI (blue).