

# $\beta$ -Tubulin Mouse Monoclonal Antibody (Zebrafish Specific)

## Catalog No: RCA33

### Basic Information

Host species	Mouse
Applications	WB, IHC, IF
Species Cross-Reactivity	Zebrafish
Specificity	The $\beta$ -tubulin antibody can detect Zebrafish endogenous $\beta$ -tubulin protein.
Recommended dilutions	WB: 1:5,000-20,000      IHC: 1:200      IF: 1:200 Optimal dilutions should be determined by the end user.

### Applications

Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal

### Background

Alternative Names	Beta 4 tubulin, TBB5, TUBB2, TUBB2A, tubulin beta 2A, beta tubulin, tubulin beta chain
Observed band	55
Human Gene ID	203068
Human Swiss-Prot Number	P07437
Background	Microtubules are constituent parts of the mitotic apparatus, cilia, flagella, and elements of the cytoskeleton. They consist principally of 2 soluble proteins, alpha- and beta-tubulin, each of about 55,000 Da. Antibodies against beta Tubulin are useful as loading controls for Western Blotting. However it should be noted that levels of $\beta$ -Tubulin may not be stable in certain cells. For example, expression of $\beta$ -Tubulin in adipose tissue is very low and therefore $\beta$ -Tubulin should not be used as loading control for these tissues.

Selected Validation Data



Western blot analysis of Zebrafish skeletal muscle with  $\beta$ -tubulin Mouse mAb(Zebrafish Specific) diluted at 1:5,000.