

## $\beta$ -tubulin Mouse Monoclonal Antibody(M7)

Catalog No.: RCA38

### Basic Information

#### Information

Reactivity	H,M,R
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG1
Storage Buffer & Condition	1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol.
Observed MW	55KD

#### Applications

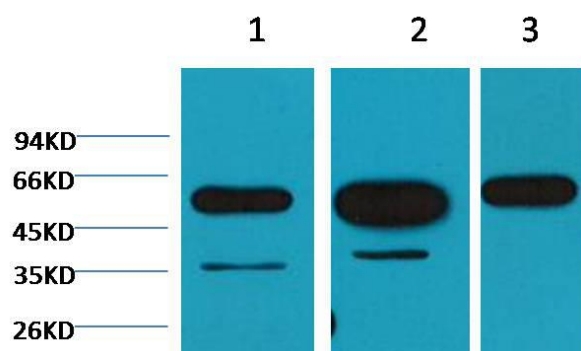
#### Recommended Dilution

WB	1:5,000-10,000
IHC	1:200-500
IF	1:200

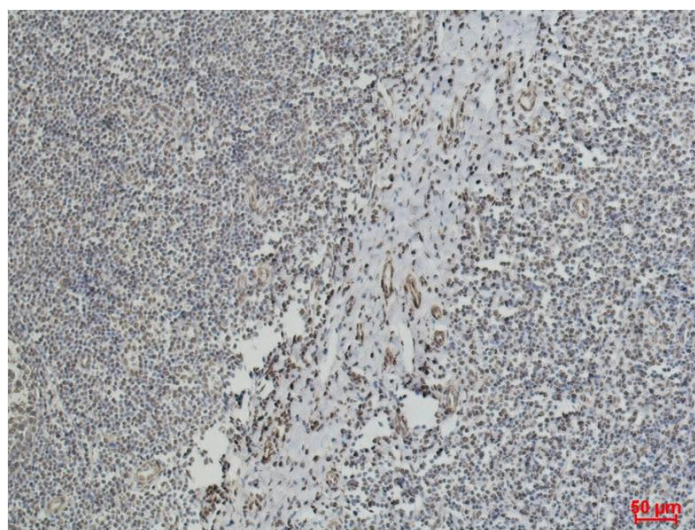
#### Preparation & Storage

Storage	Store at -20°C. Stable for one year from the date of shipment.
Shipping	Bule Ice

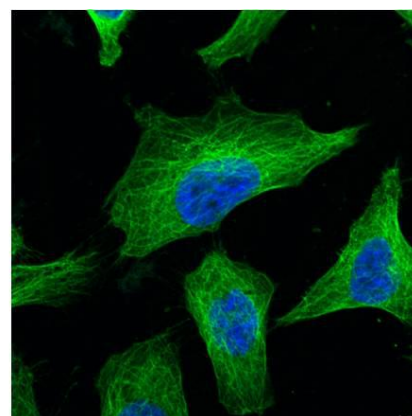
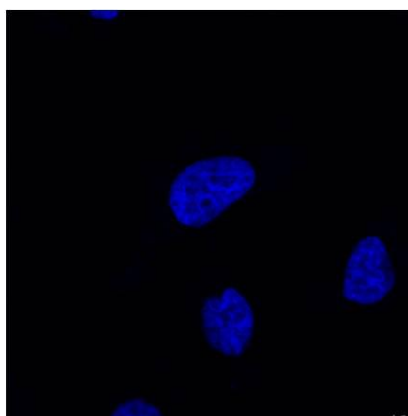
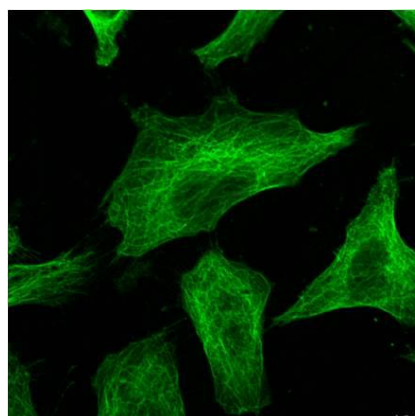
## Experimental Data



Western blot analysis of 1) HeLa, 2) Mouse Brain tissue, 3) Rat Brain tissue with  $\beta$  tubulin Mouse mAb diluted at 1:5,000.



Immunohistochemical analysis of paraffin-embedded Human Tonsil Tissue using  $\beta$  tubulin Mouse mAb diluted at 1:500.



IF analysis of HeLa with anti- $\beta$  tubulin (Left) and DAPI (Right) diluted at 1:100.

## 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.