

Tubulin β monoclonal antibody

Catalog: BS00242-T Host: Mouse Reactivity: Human, Mouse, Rabbit, Frog, Fish, Rat (not applicable to some rat tissue)

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.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 55 kDa

Swiss-Prot:

Q13509/P04350/P68371/P07437/Q13885/Q9BUF5

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:5000~20000

IHC: 1:100~500

IF: 1:100~500

IP: 1:100~500

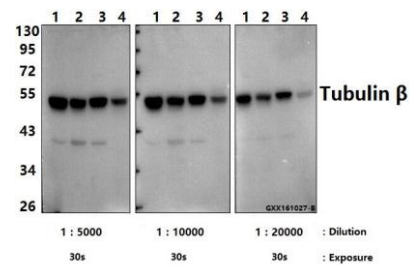
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Tubulin β mAb detects endogenous levels of β -Tubulin protein.

DATA:



Western blot (WB) analysis of Tubulin β mAb at 1:

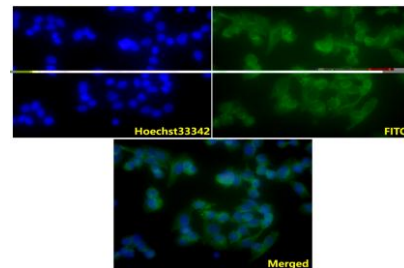
5000/1:10000/1:20000 dilution

Lane1:L02 whole cell lysate(20ug)

Lane2:NIH-3T3 whole cell lysate(20ug)

Lane3:PC12 whole cell lysate(20ug)

Lane4:The Kidney tissue lysate of Mouse(20ug)



IF image of BS00242-T stained A375 cells. The cells were 4% paraformaldehyde fixed (20 min) and then incubated in 10% normal goat serum for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody Tubulin β mAb (1:500) at 10 μ g/ml overnight at +4 °C. The secondary antibody (Green) was Goat Anti-Mouse IgG (H+L) FITC#BS50950 used at a 1/400 dilution for 1h. Hoechst33342 #BD5011 was used to stain the cell nuclei (blue).

Note:

For research use only, not for use in diagnostic procedure.

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