

**AM20708PU-N****Monoclonal Antibody to TUBB / TUBB5 (Loading Control) - Aff - Purified****Alternate names:** Tubulin beta chain, Tubulin beta-5 chain**Quantity:** 0.1 mg**Concentration:** 1.0 mg/ml**Background:** Tubulin is a major cytoskeleton component that has five distinct forms.  $\alpha$  and  $\beta$  Tubulins form heterodimers which multimerize to form a microtubule filament. There are five beta Tubulin isoforms (beta-1, beta-2, beta-3, beta-4A and beta-4B) that are expressed in mammalian tissues. Beta-1 and beta-4 are present throughout the cytosol, beta-2 is present in the nuclei and nucleoplasm, and beta-3 is a neuron-specific cytoskeletal protein.**Uniprot ID:** [P07437](#)**NCBI:** [NP\\_821133](#)**GeneID:** [203068](#)**Host / Isotype:** Mouse / IgG1**Clone:** A10**Immunogen:** Recombinant beta-Tubulin protein from bacteria.**Format:** **State:** Liquid purified IgG fraction.  
**Purification:** Affinity Chromatography.  
**Buffer System:** PBS, pH 7.4 containing 0.05% Sodium Azide as preservative.**Applications:** Suitable for use in Western blot (1/1,000-1/4,000) and Immunofluorescence (1/200-1/400).  
It is very useful as a Loading Control for quantitative western blotting.  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.**Specificity:** Recognize beta-Tubulin from Human, Mouse, Tetrahymena, dictyostelium, Saccharomyces.  
The antibody recognizes a 50kDa band in a Western Blot analysis.**Storage:** Store the antibody (in aliquots) at -20°C.  
Avoid repeated freezing and thawing.  
Shelf life: One year from despatch.**General Readings:** 1. Gupta KK, et al. (2006) FEBS J; 273(23):5320-5332.

Pictures:

Western Blot Analysis of 293 cell lysates with Mouse Monoclonal anti-beta-Tubulin antibody (Lane 1-8).

