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Schillerstr. 5

## 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. a and β

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,

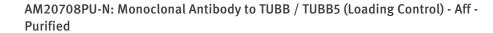
Saccharomyces.

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).

