

## Product datasheet for **AM20671PU-N**

### MAPT Mouse Monoclonal Antibody [Clone ID: TAU-93]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	TAU-93
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 0.5 - 1 µg/ml. Immunohistochemistry on paraffin sections: 1 - 2 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Bovine microtubule-associated proteins (MAPs).
Specificity:	This antibody reacts to MAPT / TAU.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<a href="#">Entrez Gene 281296 Bovine P29172</a>



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**Background:**

The microtubule-associated proteins (MAPs) coassemble with tubulin into microtubules in vitro. Microtubule-associated protein tau appears to be enriched in axons. Tau are composed of 352 to 441 amino acids. The isoforms differ from each other by the presence or absence of 29-amino acid or 58-amino acid inserts located in the N terminus and a 31-amino repeat located in the C terminus. tau is important in establishing and maintaining neuronal morphology and is a major component of the neurofibrillary tangles (NFTs) characteristic of Alzheimer's brain. Microtubule-associated protein tau (MTBT1) is mapped to chromosome 17q21.

**Synonyms:**

MAPTL, MTBT1, Microtubule-associated protein tau, PHF-tau, Neurofibrillary tangle protein, Paired helical filament-tau