

## Product datasheet for **AP26351PU-N**

### Tau (MAPT) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot (0.5-4 µg/ml).
Reactivity:	Bovine, Chicken, Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide surrounding amino acid 395 of rat Tau
Specificity:	This antibody recognizes mainly the truncated Tau (~30 kDa) in samples from human, mouse and rat origins. Other isoforms of Tau at 35 kDa, 60 kDa and 80 kDa can also be recognized.
Formulation:	Phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store at -20 °C. For long term storage, aliquot and store at -70 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	microtubule associated protein tau
Database Link:	<a href="#">Entrez Gene 17762 Mouse</a> <a href="#">Entrez Gene 29477 Rat</a> <a href="#">Entrez Gene 4137 Human P10636</a>
Background:	<p>Tau, a microtubule-binding protein which serves to stabilize microtubules in growing axons, is found to be hyperphosphorylated in paired helical filaments (PHF), the major fibrous component of neurofibrillary lesions associated with Alzheimer's disease.</p> <p>Hyperphosphorylation of Tau is thought to be the critical event leading to the assembly of PHF. Six Tau protein isoforms have been identified, all of which are phosphorylated by GSK3. This presents the possibility that miscues in GSK3 signaling contribute to the onset of Alzheimer's disease.</p>



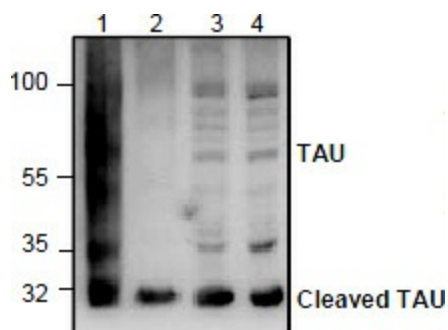
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**Synonyms:** MAPTL, MTBT1, Microtubule-associated protein tau, PHF-tau, Neurofibrillary tangle protein, Paired helical filament-tau

**Protein Families:** Druggable Genome

**Protein Pathways:** Alzheimer's disease, MAPK signaling pathway

**Product images:**



Western blot analysis of TAU in rat kidney tissue lysate (Lane 1), 3T3 cell lysate (Lane 2), and Jurkat cell lysate (Lane 3 & 4).