

Tau (Phospho-Thr217) Conjugated Antibody

Catalog No: #C11724

Package Size: #C11724-AF350 100ul #C11724-AF405 100ul #C11724-AF488 100ul #C11724-AF555 100ul #C11724-AF594 100ul #C11724-AF647 100ul #C11724-AF680 100ul #C11724-AF750 100ul #C11724-Biotin 100ul #C11724-Conjugated 50ul

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Description

| | |
|-----------------------|---|
| Product Name | Tau (Phospho-Thr217) Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Applications | WB, IF, IHC |
| Species Reactivity | Human, Mouse, Rat, Bovine, Monkey, Pig |
| Specificity | The antibody detects endogenous levels of Tau only when phosphorylated at threonine 217. |
| Immunogen Description | Peptide sequence around phosphorylation site of threonine 217(L-P-T(p)-P-P) derived from Human Tau. |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | MAPT; MTBT1; PHF-tau |
| Accession No. | Swiss-Prot#:P10636NCBI Gene ID:4137NCBI mRNA#:NM_016835.4. NCBI Protein#:NP_058519.3. |
| Calculated MW | 65 |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

Application Details

WB: 1:50-1:200

IF: 1:50-1:200

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

Background

Promotes microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. The C-terminus binds axonal microtubules while the N-terminus binds neural plasma membrane components, suggesting that tau functions as a linker protein between both. Axonal polarity is predetermined by tau localization (in the neuronal cell) in the domain of the cell body defined by the centrosome. The short isoforms allow plasticity of the cytoskeleton whereas the longer isoforms may preferentially play a role in its stabilization.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.