Tau(Phospho-Thr205) Antibody

Catalog No: #11108

Package Size: #11108-1 50ul #11108-2 100ul



Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

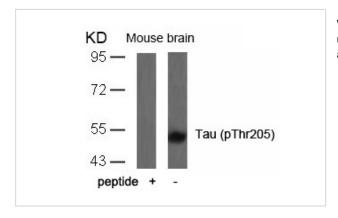
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| Product Name | Tau(Phospho-Thr205) Antibody | |
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| Host Species | Rabbit | |
| Clonality | Polyclonal | |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. | |
| | Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho | |
| | specific antibodies were removed by chromatogramphy using non-phosphopeptide. | |
| Applications | WB IHC | |
| Species Reactivity | Hu Ms Rt | |
| Specificity | The antibody detects endogenous level of Tau only when phosphorylated at threonine 205. | |
| Immunogen Type | Peptide-KLH | |
| Immunogen Description | Peptide sequence around phosphorylation site of threonine 205 (P-G-T(p)-P-G) derived from Human Tau. | |
| Target Name | Tau | |
| Modification | Phospho | |
| Other Names | MAPT; MTAPT; MTBT1; Neurofibrillary tangle protein; PHF-tau | |
| Accession No. | Swiss-Prot: P10636NCBI Protein: NP _001116538.1 | |
| Concentration | 1.0mg/ml | |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% | |
| | sodium azide and 50% glycerol. | |
| Storage | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use. | |
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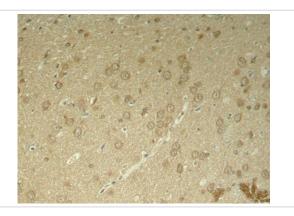
Application Details

Predicted MW: 48 62 78 kd
Western blotting: 1:500~1:1000
Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from mouse brain tissue using Tau(Phospho-Thr205) Antibody #11108 and the same antibody preincubated with blocking peptide.



Immunohistochemical analysis of paraffin-embedded rat hippocampal region tissue from a model with Alzheimer

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.

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