

Tau(Phospho-Thr205) Antibody

Catalog	Unit
TBS10047-50UL	50 ul
TBS10047-100UL	100 ul

Description

The Tau (Phospho-Thr205) Antibody could play a role in the establishment and maintenance of neuronal polarity by promoting microtubule assembly and stability. It appears that tau serves as a linker protein between these processes, as the C-terminus binds axonal microtubules while the N-terminus binds neural plasma membrane components. Tau localization inside the neuronal cell, specifically in the centrosome-defined area of the cell body, predetermines axonal polarity. While longer isoforms may primarily contribute to the stabilization of the cytoskeleton, shorter isoforms permit greater plasticity.

Product Details

Host Species: Rabbit

Clonality: Polyclonal

Purification: Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

Applications: WB IHC, ELISA

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.

Accession No.: Swiss-Prot: P10636NCBI Protein: NP_001116538.1

Uniprot: P10636.

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.

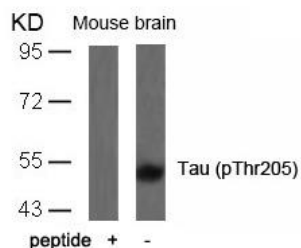
Applications

Predicted MW: 48 62 78 kd

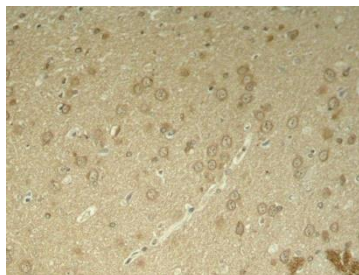
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from mouse brain tissue using Tau(Phospho-Thr205) Antibody #TBS111082 and the same antibody preincubated with blocking peptide.



Immunohistochemical analysis of paraffin-embedded rat hippocampal region tissue from a model with Alzheimer's disease.

For research use only.