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35-1108: Polyclonal Antibody to Tau (Phospho-Ser262)

Clonality: Polyclonal Application: IHC,WB,IF

Reactivity: Rat, Mouse, Human

Gene : MAPT
Gene ID : 4137
Uniprot ID : P10636
Format : Purified

Alternative Name: MAPT, MTAPT, MTBT1, Neurofibrillary tangle protein, PHF-tau

Isotype: Rabbit IgG

Immunogen Information: Peptide sequence around phosphorylation site of serine 262 (I-G-S(p)-T-E) derived from

Human Tau.

Description

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.

Product Info

Amount : 50 μl / 100 μl

Content: 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 condition : Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Predicted MW: 48 62 78 kd, Western blotting: $1:500\sim1:1000$, Immunohistochemistry: $1:50\sim1:100$, Immunofluorescence: $1:100\sim1:200$

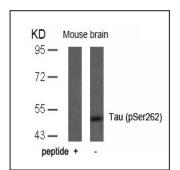


Figure 1: Western blot analysis of extracts from mouse brain tissue using Tau(Phospho-Ser262) Antibody 35-1108 and the same antibody preincubated with blocking peptide.



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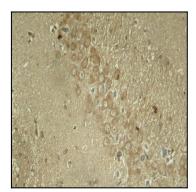


Figure 2: Immunohistochemical analysis of paraffin-embedded rat hippocampal region tissue from a model with Alzheimer

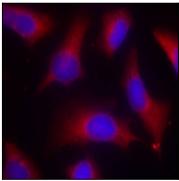


Figure 3: Immunofluorescence staining of methanol-fixed Hela cells using Tau(Phospho-Ser262) Antibody 35-1108.