

TAU Polyclonal Antibody

CATALOG NO:	3549R-30T 3549R-100	30 µg (Trial size) 100 µg
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide surrounding amino acid 395 of rat TAU (Internal ID# BV-D76G)	
SPECIES REACTIVITY:	Human, Mouse, Rat	

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-TAU polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

STORAGE CONDITIONS:

Store at 4°C. For long-term storage, aliquot and freeze at -20°C or -70°C. Avoid repeated freeze/defrost cycles.

BACKGROUND:

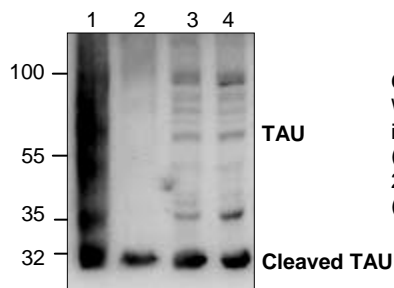
Tau, a microtubule-binding protein which serves to stabilize microtubules in growing axons, is found to be hyperphosphorylated in paired helical filaments (PHF), the major fibrous component of neurofibrillary lesions associated with Alzheimer's disease. Hyperphosphorylation of Tau is thought to be the 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.

SPECIFICITY:

The antibody recognizes mainly the truncated Tau (~30 kDa) in sample from human, mouse and rat origins. Other isoforms of Tau at 35 kDa, 60 kDa and 80 kDa can also be recognized. Reactivity to other species has not been tested.

APPLICATION AND USAGE:

The antibody can be used in Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Other applications have not been determined. Blocking peptide (Cat.# 3549RBP-50) is available separately.



Cat. #: 3549R-100
Western blot analysis of TAU in rat kidney tissue lysate (Lane 1), 3T3 cell lysate (Lane 2) and in Jurkat cell lysate (Lane 3 & 4).

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- ractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
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- 5 Minutes DNA Ligation Kit
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Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies