

**Product Name: Phospho-Tau (S202) (2Z4) Rabbit  
Monoclonal Antibody  
Catalog #: AMRe06029**

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## Summary

|                        |   |
|------------------------|---|
| <b>Production Name</b> | Phospho-Tau (S202) (2Z4) Rabbit Monoclonal Antibody |
| <b>Description</b>     | Rabbit Monoclonal Antibody                          |
| <b>Host</b>            | Rabbit  |
| <b>Application</b>     | WB  |
| <b>Reactivity</b>      | Human,Mouse,Rat                                     |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Phospho Antibody   |
| <b>Isotype</b>      | IgG  |
| <b>Clonality</b>    | Monoclonal   |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                     |
| <b>Buffer</b>       | Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA. |
| <b>Purification</b> | Affinity purification  |

## Immunogen

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | MAPT  |
| <b>Alternative Names</b> | MAPT; Microtubule-associated protein tau; MTBT1; Neurofibrillary tangle protein; Paired helical filament-tau; PHF-tau |
| <b>Gene ID</b>           | 4137.0  |
| <b>SwissProt ID</b>      | P10636.A synthetic phosphopeptide corresponding to residues surrounding Ser202 of human Tau                           |

## Application

|                         |            |
|-------------------------|------------|
| <b>Dilution Ratio</b>   | WB: 1:1000 |
| <b>Molecular Weight</b> | 79kDa      |

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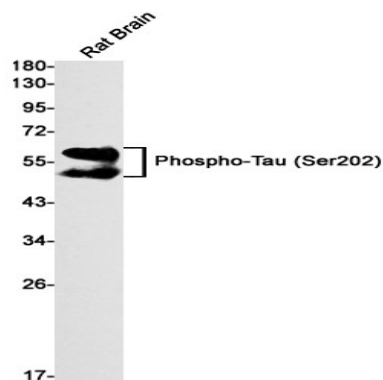
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## Background

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. Promotes microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity (PubMed: [21985311](http://www.uniprot.org/citations/21985311)). 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 (PubMed: [21985311](http://www.uniprot.org/citations/21985311), PubMed: [32961270](http://www.uniprot.org/citations/32961270)). Axonal polarity is predetermined by TAU/MAPT 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.

## Research Area

## Image Data



Western blot detection of Phospho-Tau (Ser202) in Rat Brain lysates using Phospho-Tau (Ser202) antibody(1:1000 diluted).

## Note

For research use only.