

# 兔抗 Mapt (phospho-Ser416)多克隆抗体

- 中文名称： 兔抗 Mapt (phospho-Ser416)多克隆抗体
- 英文名称： Anti-Mapt (phospho-Ser416) rabbit polyclonal antibody
- 别名： pTau; Mtapt; RNPTAU
- 相关类别： 一抗
- 储存： 冷冻（-20℃） 避光
- 宿主： Rabbit
- 抗原： Mapt (phospho-Ser416)
- 反应种属： Human, Mouse, Rat
- 标记物： Unconjugate
- 克隆类型： rabbit polyclonal

## 技术规格

### Background:

Tau is a heterogeneous microtubule-associated protein that promotes and stabilizes microtubule assembly, especially in axons. Six isoforms with different amino-terminal inserts and different numbers of tandem repeats near the carboxy-terminus have been identified, and tau is hyperphosphorylated at approximately 25 sites by ERK, GSK-3 and CDK5 (1-2). Phosphorylation decreases the ability of tau to bind to microtubules. Neurofibrillary tangles are a major hallmark of Alzheimer's disease and these tangles are bundles of paired helical filaments composed of hyperphosphorylated tau. In particular, phosphorylation of Ser396 by GSK-3 or CDK5 destabilizes microtubules in Alzheimer's disease. Furthermore, inclusions of tau are found in a number of other neurodegenerative diseases.

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|                                 | enerative diseases, collectively known as tauopathies (1,3). |
| <b>Applications:</b>            | WB   |
| <b>Name of antibody:</b>        | Mapt (phospho-Ser416)  |
| <b>Immunogen:</b>               | Synthetic peptide of Rat Mapt (phospho-Ser416)               |
| <b>Full name:</b>               | microtubule-associated protein tau (phospho-Ser416)          |
| <b>Synonyms :</b>               | pTau; Mtapt; RNPTAU  |
| <b>SwissProt:</b>               | P19332   |
| <b>WB Predicted band size:</b>  | 48 kDa; 62 kDa; 78 kDa                                       |
| <b>WB Positive control:</b>     | Rat brain, Rat hippocampus and Mouse brain tissue            |
| <b>WB Recommended dilution:</b> | 500-1000   |

