

## Tau blocking peptide

Phospho-Tau (Thr181)[Thr498] Blocking Peptide

|                               |                                 |
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| CATALOG #<br><b>AAA329987</b> | APPLICATIONS<br><b>Blocking</b> |
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### PRODUCT SYNONYMS

Tau; Phospho-Tau (Thr181)[Thr498] Blocking Peptide; A1413597; AW045860; DDPAC; FLJ31424; FTDP 17; G protein beta1/gamma2 subunit interacting factor 1; MAPT; MAPTL; MGC134287; MGC138549; MGC156663; Microtubule associated protein tau; Microtubule associated protein tau isoform 4; Microtubule-associated protein tau; MSTD; Mtap; MTBT1; MTBT2; Neurofibrillary tangle protein; Paired helical filament tau; Paired helical filament-tau; PHF tau; PHF-tau; PPND; PPP1R103; Protein phosphatase 1; regulatory subunit 103; pTau; RNPTAU; TAU; TAU\_HUMAN; Tauopathy and respiratory failure; included; Tau blocking peptide

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification                              | The purity is >90%,tested by HPLC and MS.                                                                                                                      |
| Form/Format                                      | Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml. |
| Applicable Applications for Tau blocking peptide | Blocking                                                                                                                                                       |
| Notes                                            | For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)                                                                       |
| Preparation and Storage                          | Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.                                                                       |

### ADDITIONAL INFORMATION

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| Related Product Information for Tau blocking peptide | Function: Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody. |
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### NCBI AND UNIPROT INFORMATION

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|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 294862258                                                                                                                                                                                                    |
| NCBI GeneID                      | 4137                                                                                                                                                                                                         |
| NCBI Accession #                 | NP_001116538.2                                                                                                                                                                                               |
| NCBI GenBank Nucleotide #        | NM_001123066.3                                                                                                                                                                                               |
| UniProt Accession #              | P10636; P18518; Q14799; Q15549; Q15550; Q15551; Q1RMF6; Q53YB1; Q5CZ17; Q5XWF0; Q6QT54; Q9UDJ3                                                                                                               |
| NCBI Official Full Name          | microtubule-associated protein tau isoform 6                                                                                                                                                                 |
| NCBI Official Synonym Full Names | microtubule-associated protein tau                                                                                                                                                                           |
| NCBI Official Symbol             | MAPT                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | TAU; MSTD; PPND; DDPAC; MAPTL; MTBT1; MTBT2; FTDP-17                                                                                                                                                         |
| NCBI Protein Information         | microtubule-associated protein tau; PHF-tau; paired helical filament-tau; neurofibrillary tangle protein; microtubule-associated protein tau, isoform 4; G protein beta1/gamma2 subunit-interacting factor 1 |

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| UniProt Protein Name       | Microtubule-associated protein tau |
| UniProt Gene Name          | <b>MAPT</b>                        |
| UniProt Synonym Gene Names | MAPTL; MTBT1; TAU; PHF-tau         |
| UniProt Entry Name         | TAU_HUMAN                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/blocking-peptide/tau/329987>