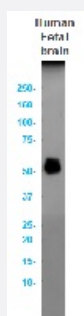


RecomAb™

# MAPT recombinant monoclonal antibody, clone R06-7C6

Catalog # RAB01638      Size 100 uL

## Applications



### Western Blot

Western blot analysis of Phospho-Tau (Thr181) in Human Fetal brain lysates using human Phospho-Tau (Thr181) recombinant monoclonal antibody, clone R06-7C6 (Cat # RAB01638).

## Specification

|                             |                                                                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Rabbit recombinant monoclonal antibody raised against synthetic phosphopeptide corresponding to residues surrounding Thr181 of human Tau. |
| <b>Antibody Species</b>     | Rabbit                                                                                                                                    |
| <b>Immunogen</b>            | Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding Thr181 of human Tau                  |
| <b>Theoretical MW (kDa)</b> | Calculated MW: 79 kD                                                                                                                      |
| <b>Reactivity</b>           | Human                                                                                                                                     |
| <b>Form</b>                 | Liquid                                                                                                                                    |
| <b>Purification</b>         | Affinity purification                                                                                                                     |
| <b>Isotype</b>              | IgG                                                                                                                                       |
| <b>Recommend Usage</b>      | Immunoprecipitation(1:20)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user.            |

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Storage Buffer      | In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)                            |
| Storage Instruction | Store at 4°C for short term. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.  |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

- Western Blot

Western blot analysis of Phospho-Tau (Thr181) in Human Fetal brain lysates using human Phospho-Tau (Thr181) recombinant monoclonal antibody, clone R06-7C6 (Cat # RAB01638).

- Immunoprecipitation

## Gene Info — MAPT

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">4137</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Protein Accession# | <a href="#">P10636</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Name          | MAPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Alias         | DDPAC, FLJ31424, FTDP-17, MAPTL, MGC138549, MSTD, MTBT1, MTBT2, PPND, TAU                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Description   | microtubule-associated protein tau                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Omim ID            | <a href="#">157140</a> <a href="#">168600</a> <a href="#">172700</a> <a href="#">260540</a> <a href="#">600274</a> <a href="#">601104</a>                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Summary       | This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts are differentially expressed in the nervous system, depending on stage of neuronal maturation and neuron type. MAPT gene mutations have been associated with several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy. [provided by RefSeq] |
| Other Designations | G protein beta1/gamma2 subunit-interacting factor 1 microtubule-associated protein tau, isoform 4                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Pathway

- [MAPK signaling pathway](#)

## Disease

- [Alzheimer disease](#)
- [Amyloidosis](#)
- [Amyotrophic lateral sclerosis](#)
- [Aphasia](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Autistic Disorder](#)
- [Brain Concussion](#)
- [Brain Diseases](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Craniofacial Abnormalities](#)
- [Creutzfeldt-Jakob Syndrome](#)
- [Dementia](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Disease Progression](#)
- [Dystonia](#)

- [Frontotemporal Dementia](#)
- [Frontotemporal Lobar Degeneration](#)
- [Genetic Predisposition to Disease](#)
- [Hallucinations](#)
- [Huntington disease](#)
- [Inversion](#)
- [Memory Disorders](#)
- [Mental Retardation](#)
- [Mental Status Schedule](#)
- [Metabolic Syndrome X](#)
- [Mouth Abnormalities](#)
- [Movement Disorders](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Nerve Degeneration](#)
- [Neurodegenerative Diseases](#)
- [Neuropsychological Tests](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Parkinson disease](#)
- [Parkinsonian Disorders](#)
- [Perceptual Disorders](#)
- [Pick Disease of the Brain](#)
- [Prion Diseases](#)
- [Psychomotor Disorders](#)

- [Psychomotor Performance](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Supranuclear Palsy](#)
- [Syndrome](#)
- [Tauopathies](#)
- [Thrombosis](#)
- [Tourette Syndrome](#)
- [Visual Perception](#)