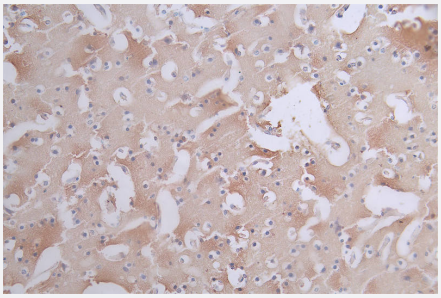
RecomAb™ Sm Size

# MAPT recombinant monoclonal antibody, clone 11H10

Catalog # RAB08509 Size 50 uL

## Applications



### Immunohistochemistry

Immunohistochemistry image of MAPT recombinant monoclonal antibody, clone 11H10 diluted at 1:50 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human MAPT. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to human MAPT. |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity chromatography purification |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Immunohistochemistry(1:50-1:200)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol) |

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| | |
|---|---|
| **Storage Instruction** | Store at -20°C or -80°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry

  Immunohistochemistry image of MAPT recombinant monoclonal antibody, clone 11H10 diluted at 1:50 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — MAPT

| | |
|---|---|
| **Entrez GeneID** | 4137 |
| **Protein Accession#** | P10636 |
| **Gene Name** | MAPT |
| **Gene Alias** | DDPAC, FLJ31424, FTDP-17, MAPTL, MGC138549, MSTD, MTBT1, MTBT2, PPND, TAU |
| **Gene Description** | microtubule-associated protein tau |
| **Omim ID** | 157140 168600 172700 260540 600274 601104 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes c omplex, 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 ne uron type. MAPT gene mutations have been associated with several neurodegenerative disorder s such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degenerat ion 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

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## 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

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- 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

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- Psychomotor Performance
- Psychotic Disorders
- Schizophrenia
- Supranuclear Palsy
- Syndrome
- Tauopathies
- Thrombosis
- Tourette Syndrome
- Visual Perception

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