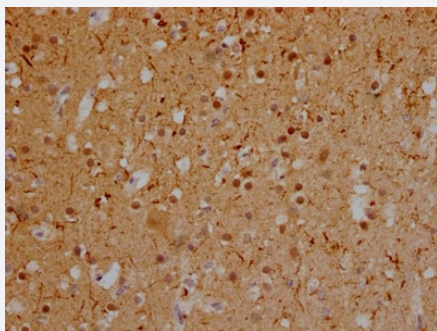


RecomAb™

MAPT recombinant monoclonal antibody, clone 4A1

Catalog # RAB03979 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemistry staining in paraffin-embedded human brain tissue.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MAPT.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human MAPT.
Reactivity	Human
Form	Liquid
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °C. 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

- Immunohistochemistry

Immunohistochemistry staining in paraffin-embedded human brain tissue.

- 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 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](#)