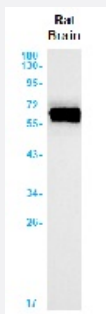


RecomAb™

MAPT recombinant monoclonal antibody, clone R09-5E2

Catalog # RAB01688 Size 100 uL

Applications



Western Blot

Western blot analysis of Tau in rat Brain lysates using human Tau recombinant monoclonal antibody, clone R09-5E2 (Cat # RAB01688).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human Tau.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human Tau
Theoretical MW (kDa)	Calculated MW: 79 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:20) Western Blot (1:500-1:1,000) 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.
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 Tau in rat Brain lysates using human Tau recombinant monoclonal antibody, clone R09-5E2 (Cat # RAB01688).

- Immunoprecipitation

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](#)