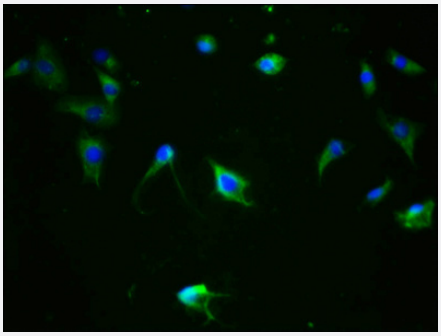
RecomAb™ Sm Size

MAPT (phospho S324) recombinant monoclonal antibody, clone 4E8

Catalog # RAB08143 Size 50 uL

Applications



Immunofluorescence

Immunofluorescent staining of SH-SY5Y cells with MAPT (phospho S324) recombinant monoclonal antibody (diluated at 1:100). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MAPT.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surroundin g S324 of human MAPT.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:20-1:200) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 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 shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  Immunofluorescent staining of SH-SY5Y cells with MAPT (phospho S324) recombinant monoclonal antibody (diluated at 1:100). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- 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

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- 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

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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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