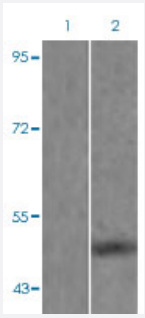
MAPT (phospho S262) polyclonal antibody

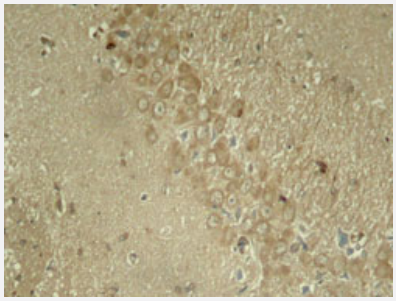
Catalog # PAB29609 Size 100 uL

Applications



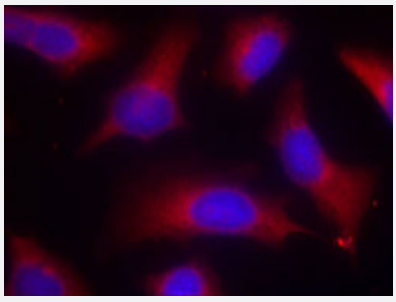
Western Blot (Tissue lysate)

Western blot analysis of Lane 1: mouse brain tissue lysate preincubated with blocking peptide, Lane 2: mouse brain tissue lysate without blocking peptide by MAPT (phospho S262) polyclonal antibody (Cat# PAB29609) at 1:500-1:1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of rat hippocampal region tissue from a model with Alzheimer using MAPT (phospho S262) polyclonal antibody (Cat# PAB29609) under 1:50-1:100 dilution.



Immunofluorescence

Immunofluorescent staining of methanol-fixed Hela cells using MAPT (phospho S262) polyclonal antibody (Cat# PAB29609) at 1:100-1:200 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human MAPT.

Immunogen	A synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S262 of human MAPT.
Host	Rabbit
Theoretical MW (kDa)	48, 62, 78
Reactivity	Human, Mouse, Rabbit
Specificity	MAPT (phospho S262) polyclonal antibody detects endogenous level of MAPT only when phosphorylated at serine 262.
Form	Liquid
Purification	Affinity Chromatography
Recommend Usage	Immunofluorescence (1:100-1:200) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. 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 (Tissue lysate)

  Western blot analysis of Lane 1: mouse brain tissue lysate preincubated with blocking peptide, Lane 2: mouse brain tissue lysate without blocking peptide by MAPT (phospho S262) polyclonal antibody (Cat# PAB29609) at 1:500-1:1000 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of rat hippocampal region tissue from a model with Alzheimer using MAPT (phospho S262) polyclonal antibody (Cat# PAB29609) under 1:50-1:100 dilution.

- Immunofluorescence

  Immunofluorescent staining of methanol-fixed Hela cells using MAPT (phospho S262) polyclonal antibody (Cat# PAB29609) at 1:100-1:200 dilution.

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

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