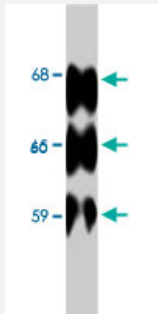


MAPT polyclonal antibody

Catalog # PAB8481 Size 25 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of extract from rat brain homogenates (7 ug), using MAPT polyclonal antibody (Cat # PAB8481).

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of MAPT.

Immunogen A synthetic peptide corresponding to human MAPT.

Host Rabbit

Reactivity Human

Form Liquid

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage Western Blot (5-10 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (0.1% proclin, 2.0% Block Ace)

Storage Instruction Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of extract from rat brain homogenates (7 ug), using MAPT polyclonal antibody (Cat # PAB8481).

Gene Info — MAPT

Entrez GeneID	4137
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

Publication Reference

- [Phosphorylation of microtubule-associated protein tau by Ca²⁺/calmodulin-dependent protein kinase II in its tubulin binding sites.](#)

Yamamoto H, Yamauchi E, Taniguchi H, Ono T, Miyamoto E.

Archives of Biochemistry and Biophysics 2002 Dec; 408(2):255.

Application: WB-Ti, Bovine, Brain

- [Ca²⁺- and calmodulin-dependent phosphorylation of microtubule-associated protein 2 and tau factor, and inhibition of microtubule assembly.](#)

Yamamoto H, Fukunaga K, Tanaka E, Miyamoto E.

Biochemistry 1983 Oct; 41(4):1119.

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](#)