

DNAxPAb

Hard-to-Find  
Antibody

# MAPT DNAxPab

Catalog # H00004137-W01P

Size 200 ug

## Specification

|                         |                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description     | Rabbit polyclonal antibody raised against a full-length human MAPT DNA using DNAx™ Immune technology.                                                                                                                                                                                                                                                                               |
| Technology              | <a href="#">DNAx™ Immune</a>                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen               | Full-length human DNA                                                                                                                                                                                                                                                                                                                                                               |
| Sequence                | MAEPRQEFVEMEDHAGTYGLGDRKDQGGYTMHQDQEGD TDAGLKAE EAGIGDTPSLEDEAAG<br>HVTQARMVSKSKDGTGSDDKKAKGADGKTKIATPRGAAPPGQKGQANATRIPAKTPPAPKTPPS<br>SGEPPKSGDRSGYSSPGSPGTPGSRSRTPSLPTPTREP KKVAVVRTPPKSPSSAKSRLQTAP<br>VPMPDLKNVSKIGSTENLKHQPGGGKVQVYKPDLSKVTSKCGSLGNIHHKPGGGQVEVKSE<br>KLDFKDRVQSKIGSLDNITHVPGGGNKKIETHKLTFR ENAKAKTDHGAENVKSPVVSGDTSRHL<br>SNVSSTGSIDMVDSPQLATLADEV SASLAKQGL |
| Host                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                              |
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                               |
| Purification            | Protein A                                                                                                                                                                                                                                                                                                                                                                           |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                             |
| Storage Buffer          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                   |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                            |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

## Gene Info — MAPT

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">4137</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| GeneBank Accession# | <a href="#">BC000558</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Protein Accession#  | <a href="#">no protein_acc</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Name           | MAPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Alias          | DDPAC, FLJ31424, FTDP-17, MAPTL, MGC138549, MSTD, MTBT1, MTBT2, PPND, TAU                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Description    | microtubule-associated protein tau                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Omim ID             | <a href="#">157140</a> <a href="#">168600</a> <a href="#">172700</a> <a href="#">260540</a> <a href="#">600274</a> <a href="#">601104</a>                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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](#)