



Anti-MAPT monoclonal antibody, clone SC52 (CABT-22079MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. Mouse monoclonal antibody raised against native MAPT.
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Immunogen	Native purified human MAPT from Alzheimer's disease brain.
Source/Host	Mouse
Species Reactivity	Human
Clone	SC52
Conjugate	Unconjugated
Applications	WB,ELISA
Format	Liquid
Size	100 µg
Buffer	In PBS, pH 7.5, 0.1% BSA.
Preservative	None
Storage	-20 °C, Avoid freeze / thaw cycles

GENE INFORMATION

Gene Name	MAPT microtubule-associated protein tau [Homo sapiens]
Official Symbol	MAPT
Synonyms	microtubule-associated protein tau; PPND; MTBT1; Neurofibrillary tangle protein; TAU; Paired helical filament-tau; MSTD; FLJ31424; PHF-tau; FTDP-17; DDPAC; MGC138549; MTBT2; G protein beta1/gamma2 subunit-interacting factor 1; MAPTL; OTTHUMP00000239567; OTTHUMP00000239568; OTTHUMP00000239569; OTTHUMP00000239570; OTTHUMP00000239571; microtubule-associated protein tau, isoform 4
Entrez Gene ID	4137
Protein Refseq	NP_001116538
UniProt ID	P10636
Chromosome Location	17q21.1
Pathway	Alzheimer"s disease, organism-specific biosystem; Alzheimer"s disease, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic execution phase, organism-specific biosystem; Caspase-mediated cleavage of cytoskeletal proteins, organism-specific biosystem
Function	SH3 domain binding; apolipoprotein E binding; enzyme binding; identical protein binding; lipoprotein particle binding; microtubule binding; protein binding; structural constituent of cytoskeleton