



Magic™ Anti-MAPT (Phospho S238) monoclonal antibody, clone 23H21 (DCABH-2075)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Tau (phospho S238)
Antigen Description	Promotes microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. The C-terminus binds axonal microtubules while the N-terminus binds neural plasma membrane components, suggesting that tau functions as a linker protein between both. Axonal polarity is predetermined by tau localization (in the neuronal cell) in the domain of the cell body defined by the centrosome. The short isoforms allow plasticity of the cytoskeleton whereas the longer isoforms may preferentially play a role in its stabilization.
Target	MAPT
Immunogen	Human Tau phosphorylated at Ser238
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	23H21
Purity	Protein G purified
Conjugate	Unconjugated
Applications	WB
Procedure	Phospho-specific Antibodies
Format	Liquid
Size	100 µg
Buffer	pH: 7.40; Preservative: 0.02% Sodium azide; Constituent: PBS
Preservative	0.02% Sodium Azide
Storage	store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	MAPT microtubule-associated protein tau [Homo sapiens]
Official Symbol	MAPT
Synonyms	MAPT; microtubule-associated protein tau; DDPAC, MAPTL; FLJ31424; FTDP 17; G protein beta1/gamma2 subunit interacting factor 1; MGC138549; microtubule associated protein tau; isoform 4; MSTD; MTBT1; MTBT2; PPND; tau; TAU; PHF-tau; paired helical filament-
Entrez Gene ID	4137
Protein Refseq	NP_001116538
UniProt ID	P10636
Chromosome Location	17q21
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Caspase-mediated cleavage of cytoskeletal proteins, organism-specific biosystem; IL-6 Signaling Pathway, organism-specific biosystem;
Function	SH3 domain binding; apolipoprotein E binding; enzyme binding; lipoprotein particle binding; microtubule binding; protein binding; structural constituent of cytoskeleton;