



# Magic™ Anti-Tau (Phospho T231) monoclonal antibody, clone FQS3599 (DCABH-4196)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit monoclonal to Tau (phospho T231)
<b>Antigen Description</b>	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.
<b>Specificity</b>	This antibody only detects Tau phosphorylated on Threonine 231.
<b>Target</b>	Tau
<b>Immunogen</b>	A phospho-specific peptide corresponding to residues surrounding Threonine 231 of Human Tau.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Rat, Human
<b>Clone</b>	FQS3599
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IP, IHC-P
<b>Positive Control</b>	Lysate of SH-SY5Y cells treated with sorbitol IHC-P: FFPE human Alzheimer hippocampus tissue sections.

<b>Format</b>	Liquid
<b>Size</b>	40 µl
<b>Buffer</b>	Preservative: 0.01% Sodium azide; Constituents: 50% Glycerol, 0.05% BSA
<b>Preservative</b>	0.01% Sodium Azide
<b>Storage</b>	Store at -20°C.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MAPT microtubule-associated protein tau [ Homo sapiens ]</a>
<b>Official Symbol</b>	MAPT
<b>Synonyms</b>	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-
<b>Entrez Gene ID</b>	<a href="#">4137</a>
<b>Protein Refseq</b>	<a href="#">NP_001116538</a>
<b>UniProt ID</b>	<a href="#">P10636</a>
<b>Chromosome Location</b>	17q21
<b>Pathway</b>	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;
<b>Function</b>	SH3 domain binding; apolipoprotein E binding; enzyme binding; lipoprotein particle binding; microtubule binding; protein binding; structural constituent of cytoskeleton;