

Anti-Phospho-MAPT (Ser324) Antibody (3R900)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3R900
Purification:	Affinity-chromatography

Applications

Verified Activity:	Immunofluorescence staining of SH-SY5Y cells with TMAH-00923 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).
Application:	ELISA, IF
Recommended	IF:1:20-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human Phospho-MAPT (S324)
Antigen Species:	Human
Gene ID:	4137
Uniprot ID:	P10636
Synonyms:	Neurofibrillary tangle protein; Microtubule-associated protein tau; MAPT (p-Ser324); Paired helical filament-tau; p-MAPT (S324); MTBT1; MAPT (p-S324); TAU and MAPT; Phospho-MAPT (S324); p-MAPT (Ser324); MAPTL
Biology Area:	Neuroscience

Research Background

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/MAPT 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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