

## Anti-Phospho-MAPT (Thr231) Antibody (4T336)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	4T336
Purification:	Affinity-chromatography

## Applications

Western Blot	-Positive WB detected in Hela whole cell lysate(treated with Calyculin A or not)
Verified Activity:	-All lanes Phospho-MAPT antibody at 1.63µg/ml -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution -Predicted band size: 46 KDa -Observed band size: 46 KDa
Application:	ELISA,WB
Recommended	WB:1:500-1:5000.

## 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 (T231)
Antigen Species:	Human
Gene ID:	4137
Uniprot ID:	P10636
Synonyms:	p-MAPT (Thr231);Paired helical filament-tau;Phospho-MAPT (T231);MAPT (p-Thr231); Neurofibrillary tangle protein;Microtubule-associated protein tau;MAPT (p-T231);MTBT1;TAU and MAPT;MAPTL;p-MAPT (T231)
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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