

Anti-Phospho-MAPT (Ser396) Antibody (8H533)

Product Details

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|---------------|-------------------------|
| Ig Type: | Rabbit IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Clone: | 8H533 |
| Purification: | Affinity-chromatography |

Applications

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|--------------------|---|
| Western Blot | -Positive WB detected in Hela whole cell lysate |
| Verified Activity: | -All lanes Phospho-MAPT antibody at 0.67µg/ml |
| | -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution |
| | -Predicted band size: 80 KDa |
| | -Observed band size: 80 KDa |
| Application: | ELISA,WB |
| Recommended | WB:1:500-1:5000. |

Properties

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

Antigen Details

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| Immunogen: | A synthetic peptide: Human Phospho-MAPT (S396) |
| Antigen Species: | Human |
| Gene ID: | 4137 |
| Uniprot ID: | P10636 |
| Synonyms: | TAU and MAPT;MAPT (p-S396);MAPTL;Paired helical filament-tau;Phospho-MAPT (S396);MAPT (p-Ser396);Neurofibrillary tangle protein;p-MAPT (Ser396);MTBT1;Microtubule-associated protein tau;p-MAPT (S396) |
| 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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