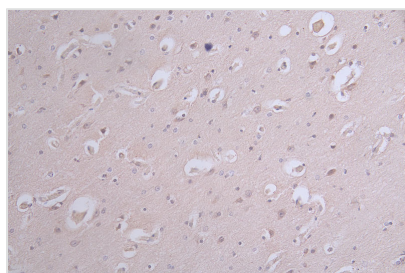




# Phospho-MAPT (S214) Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA050476A0HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P10636
<b>Immunogen</b>	A synthesized peptide derived from Human MAPT
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Neuroscience;Signal transduction
<b>Target Names</b>	MAPT
<b>Clone No.</b>	31B12

## Image



IHC image of CSB-RA050476A0HU diluted at 1:100 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.12% DAB.

## Description

The phospho-MAPT (S214) recombinant monoclonal antibody generation typically starts with the insertion of the MAPT antibody-encoding gene into expression vectors. These vectors are subsequently introduced into host cells via polyethyleneimine-mediated transfection. The host cells, containing these vectors, are cultured to produce and release the antibodies. Following purification using affinity chromatography, the antibodies undergo testing



through ELISA and IHC assays to confirm their recognition of the human MAPT protein phosphorylated at S214.

MAPT is a microtubule-associated protein that plays a crucial role in binding to and stabilizing microtubules, which are essential components of the neuronal cytoskeleton. Phosphorylation of MAPT at S214 can modulate the affinity of MAPT for microtubules and influence microtubule dynamics.

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**Usage**

For Research Use Only. Not for use in diagnostic or therapeutic procedures.