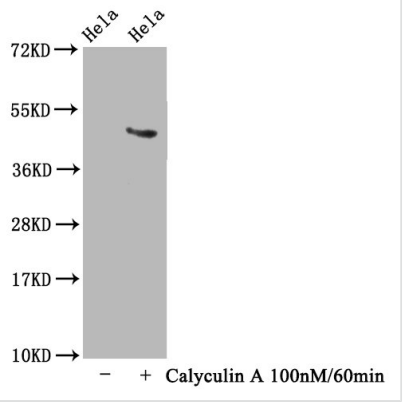
Phospho-MAPT (T231) Recombinant Monoclonal Antibody

Product Code	CSB-RA013481A231phHU
Abbreviation	Microtubule-associated protein tau
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P10636
Immunogen	A synthesized peptide derived from Human Phospho-MAPT (T231)
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	Microtubule-associated protein tau, Neurofibrillary tangle protein, Paired helical filament-tau, PHF-tau, MAPT, MAPTL, MTBT1, TAU
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience
Target Names	MAPT
Clone No.	1G9
Image	



Western Blot
Positive WB detected in Hela whole cell lysate(treated with Calyculin A or not)
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

Usage

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