

Anti-MAPT Antibody (2F162)

Product Details

Ig Type:	Human IgG4(S228P)
Reactivity:	Mouse, Macaca mulatta
Conjugation:	Unconjugated
Clone:	2F162
Purification:	Affinity-chromatography

Applications

Verified Activity:	1. The Binding Activity of Mapt with Anti-MAPT recombinant antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Mouse Mapt at 2 µg/ml can bind Anti-MAPT recombinant antibody, the EC50 is 436.1-518.6 ng/ml.
	2. The Binding Activity of MAPT with Anti-MAPT recombinant antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Macaca mulatta MAPT at 2 µg/ml can bind Anti-MAPT recombinant antibody, the EC50 is 2.464-3.979 ng/ml.
Application:	ELISA

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:	Recombinant Protein: Human MAPT Protein
Antigen Species:	Human
Gene ID:	4137
Uniprot ID:	P10636
Synonyms:	TAU and MAPT;MTBT1;Neurofibrillary tangle protein;Microtubule-associated protein tau; MAPTL;Paired helical filament-tau
Biology Area:	Immunology

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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