



# Rat Anti-Tau (419-433) monoclonal antibody, clone B27108E (CABT-L5104)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	Recombinant C-terminal fragment of human 4R Tau protein encompassing amino acid residues 419-433.
<b>Isotype</b>	IgG2a, κ
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Human
<b>Clone</b>	B27108E
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC, ELISA
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µg
<b>Buffer</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preservative</b>	0.09% sodium azide.
<b>Storage</b>	The antibody solution should be stored undiluted between 2°C and 8°C.
<b>Ship</b>	Wet ice

## BACKGROUND

**Introduction**

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 Nterminus binds neural plasma membrane components, suggesting that tau functions as a linker protein between both. Axonal polarity is predetermined by tau 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.

**Keywords**

Tau/Amino Junction; AI413597; AW045860; DDPAC; Disinhibition Dementia Parkinsonism Amyotrophy Complex; FLJ31424; FTDP 17; FTDP17; G Protein Beta 1 Gamma 2 Subunit Interacting Factor 1; G protein beta1/gamma2 subunit interacting factor 1; MAPT; MAPTL; MGC1