#### **Product Datasheet**

Tau(Ab-214) Antibody

Catalog No: #21098



Package Size: #21098-1 50ul #21098-2 100ul #21098-4 25ul

### Overview

Product Name	Tau(Ab-214) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	Тац
Alternative Names	MAPT; MTAPT; MTBT1; Neurofibrillary tangle protein; PHF-tau

### **Application Details**

Predicted MW: 48 62 78 kd

Immunofluorescence: 1:100~1:200

# Images



Immunofluorescence staining of methanol-fixed Hela cells using Tau(Ab-214) Antibody #21098.

Descriptions	
Immunogen	Peptide sequence around aa.212~216 (T-P-S-L-P) derived from Human Tau.
Specificity	The antibody detects endogenous level of total Tau protein.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P10636NCBI Protein: NP_001116538.1

# **Related Information**

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 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.

Smet C, et al. (2005) FEBS Lett; 579(19): 4159-64.

Puig B, et al. (2005) Acta Neuropathol (Berl).

Gvtz J, et al. (2001) Science; 293(5534): 1491-5.

Illenberger S, et al. (1998) Mol Biol Cell; 9(6): 1495-512.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.