

## Tau(Ab-214) Antibody

Catalog No: #AB21098



Package Size: #AB21098-1 50ul #AB21098-2 100ul #AB21098-4 25ul

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## Description

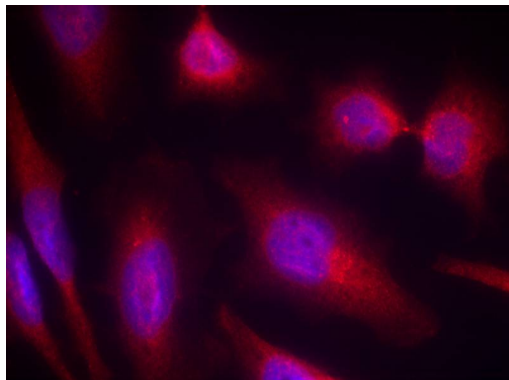
|                       |   |
|-----------------------|---|
| Product Name          | Tau(Ab-214) Antibody  |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications          | IF  |
| Species Reactivity    | Hu Ms Rt  |
| Specificity           | The antibody detects endogenous level of total Tau protein.   |
| Immunogen Type        | Peptide-KLH   |
| Immunogen Description | Peptide sequence around aa.212~216 (T-P-S-L-P) derived from Human Tau.  |
| Target Name           | Tau   |
| Other Names           | MAPT; MTAPT; MTBT1; Neurofibrillary tangle protein; PHF-tau   |
| Accession No.         | Swiss-Prot: P10636NCBI Protein: NP_001116538.1  |
| Concentration         | 1.0mg/ml  |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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.   |

## 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 #AB21098.

## 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 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.

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