

Datasheet for ABIN5675317  
**anti-tau antibody**



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3 Images

## Overview

Quantity:	100 µL
Target:	tau
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This tau antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Tau
Clone:	12F4
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

## Target Details

Target:	tau
Alternative Name:	<a href="#">Tau (tau Products)</a>
Background:	Synonyms: MAPT, Microtubule-associated protein Tau, A1413597, AW045860, DDPAC, Disinhibition dementia parkinsonism amyotrophy complex, FLJ31424, FTDP 17, FTDP17, G

## Target Details

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Protein beta 1 gamma 2 subunit interacting factor 1, G protein beta1/gamma2 subunit interacting factor 1, MAPTL, MGC134287, MGC138549, MGC156663, Microtubule associated protein tau isoform 4, MSTD, Mtapt, MTBT1, MTBT2, Neurofibrillary tangle protein, Paired helical filament tau, PHF tau, PHF-tau, PPND, pTau, RNPTAU, Tauopathy and respiratory failure, included, TAU\_HUMAN.

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.

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Gene ID: 4137

UniProt: [P10636](#)

## Application Details

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Application Notes: WB 1:300-5000  
IHC-P 1:200-400

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

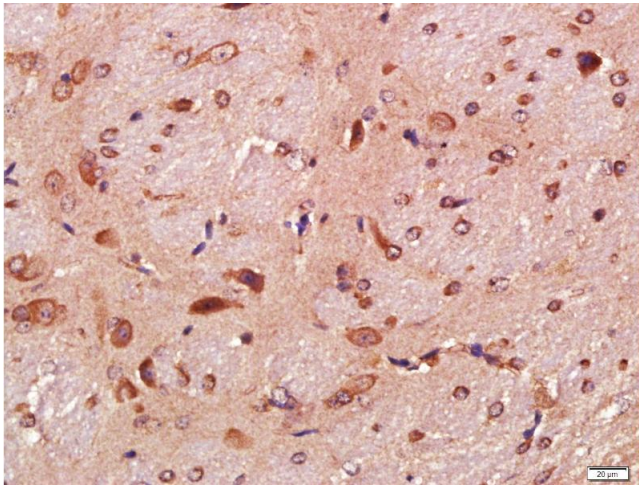
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

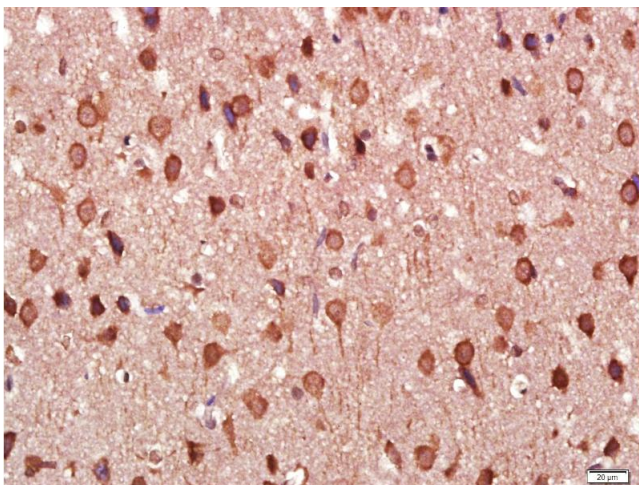
Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months



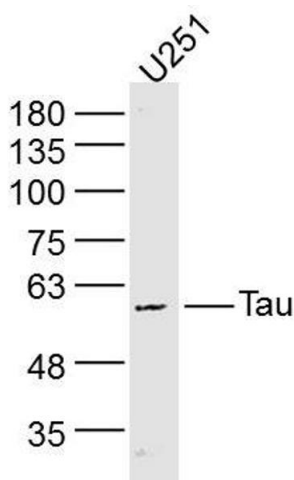
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Paraformaldehyde-fixed, paraffin embedded Mouse brain Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes Blocking buffer (normal goat serum) at 37°C for 30min Antibody incubation with Tau Monoclonal Antibody, Unconjugated at 1:400 overnight at 4°C, DAB staining.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Paraformaldehyde-fixed, paraffin embedded Rat brain Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes Blocking buffer (normal goat serum) at 37°C for 30min Antibody incubation with Tau Monoclonal Antibody, Unconjugated at 1:400 overnight at 4°C, DAB staining.



#### Western Blotting

**Image 3.** U251 lysates probed with Tau Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.