

Tau Antibody
Chicken polyclonal antibody
Catalog # AN1240

Specification

Tau Antibody - Product Information

Application	WB, IF
Primary Accession	P10636
Reactivity	Human, Rat
Host	Chicken
Clonality	polyclonal

Tau Antibody - Additional Information

Gene ID	4137
Gene Name	MAPT

Other Names

Microtubule-associated protein tau, Neurofibrillary tangle protein, Paired helical filament-tau, PHF-tau, MAPT, MAPTL, MTBT1, TAU

Target/Specificity

Recombinant full length human tau expressed in and purified from E.Coli.

Dilution

WB~~ 1:10000
IF~~ 1:1000

Format

Total IgY fraction

Antibody Specificity

Specific for the ~48, 65 & 75k tau isoforms.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Tau Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

Blue Ice

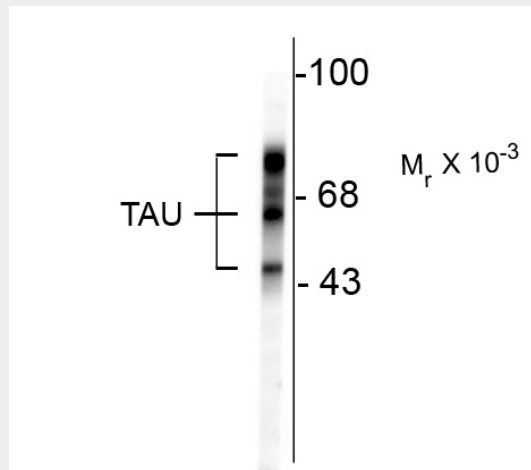
Tau Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

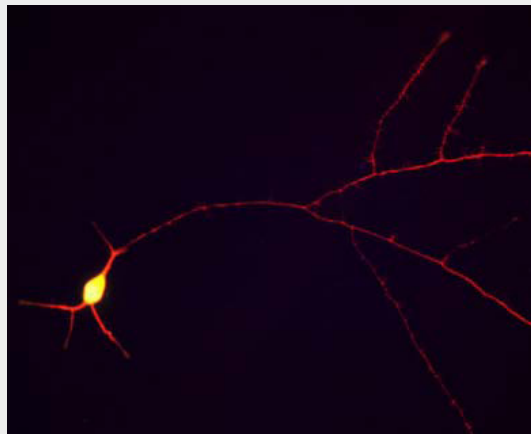
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Tau Antibody - Images



Western blot of rat cortex lysate showing specific immunolabeling of the ~48, 65 & 75k tau isoforms.



Immunofluorescence of cultured rat hippocampal neurons showing staining of tau in red along the neuronal processes.

Tau Antibody - Background

Tau is a key microtubule-associated protein that plays an important role in the formation of microtubules in axons (Binder et al. 1985). Six tau isoforms have been identified as products of a single gene produced by alternative mRNA splicing (Goedert 1990). Tau mutations have been implicated in many neurodegenerative disorders such as Alzheimer's disease (AD), Pick's disease and progressive supranuclear palsy.

Tau Antibody - References

Binder LI, Frankfurter A, Rebhun LI (1985) The distribution of tau in the mammalian central nervous

system. J Cell Bio Oct; 101(4):1371-8.

Goedert M. and Jakes R. (1990) Expression of separate isoforms of human tau protein: correlation with the tau pattern in brain and effects on tubulin polymerization. EMBO J 9, 4225-4230.