

Tau Antibody

Chicken polyclonal antibody Catalog # AN1240

Specification

Tau Antibody - Product Information

Application	WB, IF
Primary Accession	<u>P10636</u>
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 Cytomety
- <u>Cell Culture</u>

Tau Antibody - Images



Western blot of rat cortex lysate showing specific immunolabeling of the \sim 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.