

## Anti-TAU/MAPT (Phospho-S396) Antibody (Monoclonal, 32M21)

Catalog Number: M00097-11

### About MAPT

MAPT, Microtubule-associated protein tau, appears to be enriched in axons. The MAPT gene is assigned to chromosome 17 by hybridization of a cDNA clone to flow-sorted and spot-blotted chromosomes and to 17q21 by in situ hybridization, containing 16 exons. The tau proteins are the product of alternative splicing from a single gene that in humans is designated MAPT. Tau proteins are proteins that stabilize microtubules. They are abundant in neurons in the central nervous system and are less common elsewhere. When tau proteins are defective, and no longer stabilize microtubules properly, they can result in dementias such as Alzheimer's disease.

### Overview

Product Name	Anti-TAU/MAPT (Phospho-S396) Antibody (Monoclonal, 32M21)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TAU/MAPT (Phospho-S396) Antibody (Monoclonal, 32M21) catalog # M00097-11. Tested in WB, IHC, IF, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal 32M21
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P10636-8

### Technical Details

Immunogen	Synthetic phospho-peptide corresponding to residues surrounding Ser396 of human Tau.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-200

Immunofluorescence, 1:50-200  
Immunocytochemistry/Immunofluorescence, 1:50-200

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