

# Tau (Phospho-Thr231) Conjugated Antibody

Catalog No: #C14182

Package Size: #C14182-AF350 100ul #C14182-AF405 100ul #C14182-AF488 100ul #C14182-AF555 100ul #C14182-AF594 100ul #C14182-AF647 100ul #C14182-AF680 100ul #C14182-AF750 100ul #C14182-Biotin 100ul #C14182-Conjugated 50ul

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## Description

Product Name	Tau (Phospho-Thr231) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB, IF
Species Reactivity	Human Mouse Rat
Specificity	Phospho-Tau (T231) Antibody detects endogenous levels of Phospho-Tau (T231)
Immunogen Description	A synthesized peptide derived from human Phospho-Tau (T231)
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	MAPT; Microtubule-associated protein tau; MTBT1; Neurofibrillary tangle protein; Paired helical filament-tau; PHF-tau;
Accession No.	Uniprot:P10636
Calculated MW	46kDa
Storage	Store at 4°C in dark for 6 months

## Application Details

WB: 1:50-1:200

IF:1:50-1:200

## Product Description

Tau is a heterogeneous microtubule-associated protein that promotes and stabilizes microtubule assembly, especially in axons. Six isoforms with different amino-terminal inserts and different numbers of tandem repeats near the carboxy-terminus have been identified, and tau is hyperphosphorylated at approximately 25 sites by ERK, GSK-3 and CDK5. Phosphorylation decreases the ability of tau to bind to microtubules. Neurofibrillary tangles are a major hallmark of Alzheimer's disease and these tangles are bundles of paired helical filaments composed of hyperphosphorylated tau.

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