phospho-Tau217 (7E6) Monoclonal Antibody

Basic information:

Catalog No.:	UDA9096-21	**Source:**	Mouse
Clonality:	Monoclonal	**Isotype:**	IgG1
Purity:	>95% as determined by SDS-PAGE.		

Useful Information:

Applications:	ELISA (more applications not tested)
Usage:	Captureantibody
Specificity:	Recognizes Human Tau protein only when phosphorylated atThr217.
Format:	Liquid
Purification:	Protein A/G affinity purification from mouse ascites.
Immunogen:	Syntheticpeptide derived from human Tau protein around the phosphorylation site of Threonine 217.
Presentation:	PBS, pH 7.4.
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; these tangles are bundles of paired helical filaments composed of hyperphosphorylated tau. In particular, phosphorylation at Ser396 by GSK-3 or CDK5 destabilizes microtubules. The cerebrospinal fluid concentration of Tau phosphorylated at Thr217 has been proposed to be a biomarker for the study of neurodegenerative disorders.
Storage:	Store at 4°C short term and -20°C long term. Avoid freeze-thaw cycles.
Note:	Test systems and platform change may cause different results, please contact us if youhave any questions. This product is sold for research use only. Standard Laboratory Practices should be followed when handling this material.