



# Tau (phospho Ser404) rabbit pAb

Cat No.:ES1413

For research use only

## Overview

<b>Product Name</b>	Tau (phospho Ser404) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Tau around the phosphorylation site of Ser404. AA range:691-740
<b>Specificity</b>	Phospho-Tau (S404) Polyclonal Antibody detects endogenous levels of Tau protein only when phosphorylated at S404.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Microtubule-associated protein tau
<b>Gene Name</b>	MAPT
<b>Cellular localization</b>	Cytoplasm, cytosol . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Cytoplasm, cytoskeleton . Cell projection, axon . Cell projection, dendrite . Secreted . Mostly found in the axons of neurons, in the cytosol and in association with pla
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	50-85kD
<b>Human Gene ID</b>	4137
<b>Human Swiss-Prot Number</b>	P10636
<b>Alternative Names</b>	MAPT; MAPTL; MTBT1; TAU; Microtubule-associated protein tau; Neurofibrillary tangle protein; Paired helical filament-tau; PHF-tau



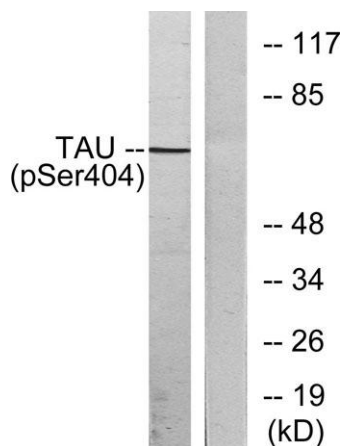


## Background

This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts are differentially expressed in the nervous system, depending on stage of neuronal maturation and neuron type. MAPT gene mutations have been associated with several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using Phospho-Tau (S404) Polyclonal Antibody diluted at 1:2000



Western blot analysis of lysates from 293 cells treated with UV, using Tau (Phospho-Ser404) Antibody. The lane on the right is blocked with the phospho peptide.

