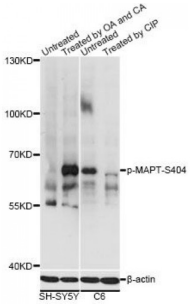
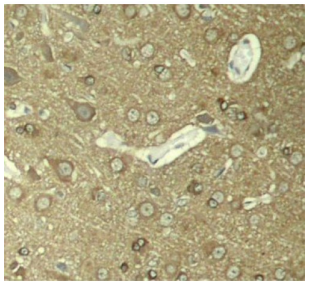
DATASHEET

MAPT (pS404) Antibody

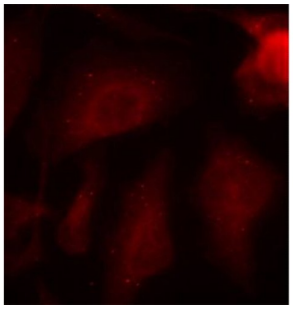
Catalogue No.:abx000222



Western blot analysis of extracts of SH-SY5Y and C6 cells, using Phospho-MAPT-S404 antibody (abx000222) at 1/2000 dilution. SH-SY5Y cells were treated by Okadaic Acid (100nM) for 1 hour and Calyculin A (100nM) for 30 minutes after serum-starvation overnight.C6 cell lysates were treated by CIP at 37°C for 1 hour.



Immunohistochemistry of paraffin-embedded rat hippocampal region tissue from a model with Alzheimer, using Phospho-MAPT-S404 antibody (abx000222).



Immunofluorescence staining of methanol-fixed HeLa cells using Phospho-MAPT-S404 antibody (abx000222).

MAPT (pS404) Antibody is a Rabbit Polyclonal antibody against MAPT (pS404). 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.

Target:	MAPT (pS404)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	WB, IHC, IF/ICC

Recommended dilutions:	WB: 1/500 - 1/2000, IHC: 1/50 - 1/100, IF/ICC: 1/100 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	Synthetic Peptide. A phospho specific peptide corresponding to residues surrounding S404 of human MAPT.
Purification:	Affinity purified.
Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	Calculated MW: 32-45 kDa/78- 80 kDa Observed MW: 65 kDa
Swiss Prot:	P10636
GeneID:	4137
Gene Symbol:	MAPT
Concentration:	> 1 mg/ml
Buffer:	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Note:	This product is for research use only.