

Rabbit MAPT-S404 Antibody | anti-MAPT antibody

Phospho-MAPT-S404 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA37393	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

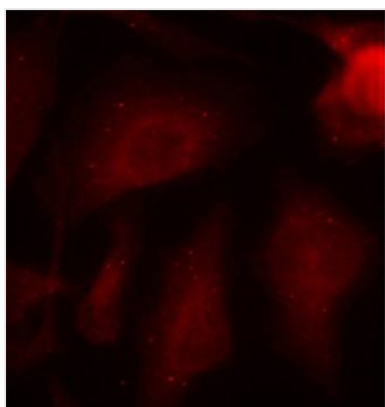
PRODUCT SYNONYMS

MAPT-S404; Phospho-MAPT-S404 Polyclonal Antibody; Phospho-MAPT-S404: TAU; MSTD; PPND; DDPAC; MAPTL; MTBT1; MTBT2; FTDP-17; anti-MAPT antibody

PRODUCT SPECIFICATIONS

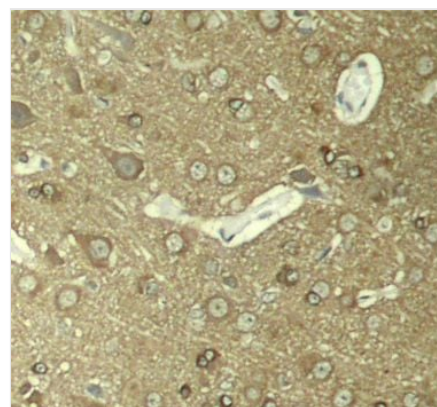
Host	Rabbit
Reactivity	Human, Mouse, Rat
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	758
Applicable Applications for anti-MAPT antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Route	Synthetic Peptide
Immunogen	A phospho specific peptide corresponding to residues surrounding S404 of human MAPT
Calculated Molecular Weight	79kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



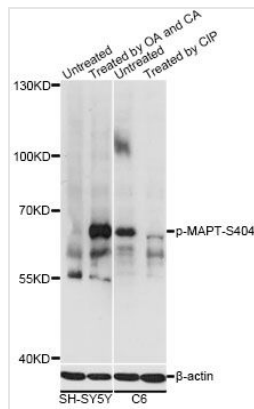
IF (Immunofluorescence)

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



IHC (Immunohistochemistry)

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



WB (Western Blot)

Western blot analysis of extracts of SH-SY5Y and C6 cells, using Phospho-MAPT-S404 antibody 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 degree C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit. Exposure time: 3s.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPT antibody	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.
Product Categories/Family for anti-MAPT antibody	Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	334302961
NCBI GeneID	4137
UniProt Accession #	P10636 ; P18518 ; Q14799 ; Q15549 ; Q15550 ; Q15551 ; Q1RMF6 ; Q53YB1 ; Q5CZ17 ; Q5XWF0 ; Q6QT54 ; Q9UDJ3
Molecular Weight	758
NCBI Official Full Name	Microtubule-associated protein tau
NCBI Official Synonym Full Names	microtubule-associated protein tau
NCBI Official Symbol	MAPT
NCBI Official Synonym Symbols	TAU; MSTD; PPND; DDPAC; MAPTL; MTBT1; MTBT2; FTDP-17; PPP1R103
NCBI Protein Information	microtubule-associated protein tau; PHF-tau; paired helical filament-tau; neurofibrillary tangle protein; microtubule-associated protein tau, isoform 4; protein phosphatase 1, regulatory subunit 103; G protein beta1/gamma2 subunit-interacting factor 1
UniProt Protein Name	Microtubule-associated protein tau
UniProt Gene Name	MAPT
UniProt Synonym Gene Names	MAPTL; MTBT1; TAU; PHF-tau
UniProt Entry Name	TAU_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

