Mouse Tau (pThr217) IgG1 Kappa Monoclonal Antibody | anti-Tau(pThr217)Kappa antibody

Mouse Anti-Human Tau (pThr217) Monoclonal IgG1 Kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254063	**Mouse**	**Human, Mouse, Rat**	**Dot Blot, Western Blot**

PRODUCT SYNONYMS

Tau (pThr217) IgG1 Kappa; Monoclonal Antibody; Mouse Anti-Human Tau (pThr217) Monoclonal IgG1 Kappa; Tau Antibody (pThr217); Clone 15B7: ATTO 594; Tau Antibody (pThr217): ATTO 594; Tau (pThr217); Microtubule associated protein tau; phospho tau; anti-Tau(pThr217)Kappa antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	15B7
Specificity	Detects phosphorylation on Thr217
Purity/Purification	Protein G Purified
Form/Format	PBS pH 7.4, 50% glycerol, 0.09% Sodium azide *Storage buffer may change when conjugated
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Tau(pThr217)Kappa antibody	DB (Dot Blot), WB (Western Blot)
Immunogen Species	Human
Immunogen	Synthetic peptide of Wild-type Human Tau (pThr217) AA 210-224: SRTPSLP-pT-PPTREPK
Conjugation	ATTO 594
Tissue Specificity	Brain, Skeletal Muscle
Research Area	Neuroscience, Neurodegeneration, Alzheimer's Disease, Tangles & Tau, Cell Markers, Neuron Markers, Axon Markers, Cell Signaling, Cytoskeleton, Microtubules, MT Associated Proteins
Cellular Localization	Intracellular, Secreted
Certificate of Analysis	A 1:1000 dilution was sufficient for detection of Tau in 10 ug of Human, Mouse, Rat Tau Peptide (pThr217) by DB analysis using Goat Anti-Mouse IgG:HRP as the secondary antibody.
Preparation and Storage	Store at -20 degree C

IMAGES

DB (Dot Blot)
DotBlotanalysisofHuman,Mouse,RatTau2N4RP301S(phospho&non-phospho)showingdetectionofTauproteinusingMouseAnti-TauMonoclonalAntibody,Clone15B7 .Lane1:hTau2N4RP301SMonomer(0.5ug).Lane2:hTau2N4RP301SMonomer(1.0ug).Lane3:RecombinanthTau-441(2N4R)P301SMonomer,Baculovirus/Sf9Expressed(phosphorylated)(0.5ug).Lane4:RecombinanthTau-441(2N4R)P301SMonomer,Baculovirus/Sf9Expressed(phosphorylated)(1.0ug).Load:0.5ug,1.0ug.Block:5%BSAinTBST.PrimaryAntibody:MouseAnti-TauMonoclonalAntibody at1:4forOvernight,4C,withshaking.SecondaryAntibody:Goatanti-mouseIgG:HRPat1:4000for1houratRTwithshaking.ColorDevelopment:ChemiluminescentforHRP(Moss)for5mininRT.DotBlotperformedwithsupernatants.

DB (Dot Blot)
DotBlotanalysisofHuman,Mouse,RatTauPeptide(p
.PanelA:hTau2N4Rmonomer(pSer214)(2ug).Panel
TauMonoclonalAntibody at1:1000for1houratRTwith
mouseIgG:H&Lat1:4000for1/2houratRTwithshaking
phosphopeptidesequence:SRTPSLPTPPTREPK.T

ADDITIONAL INFORMATION

Related Product Information for anti-Tau(pThr217)Kappa 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.
Product Categories/Family for anti-Tau(pThr217)Kappa antibody	Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	294862261
NCBI GeneID	4137
NCBI Accession #	NP_058519.3
NCBI GenBank Nucleotide #	NM_016835.4
UniProt Accession #	P10636; P18518; Q14799; Q15549; Q15550; Q15551; Q1RMF6; Q53YB1; Q5CZI7; Q5XWF0; Q6QT54; Q9UDJ3
Molecular Weight	80,941 Da
NCBI Official Full Name	microtubule-associated protein tau isoform 1
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
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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/tau-pthr217-igg1-kappa-antibody-clone-15b7-dot-blot-western-blot-elisa/254063