

bs-3446R**[Primary Antibody]****phospho-Tau (Ser396) Rabbit pAb****Bioss**
ANTIBODIES

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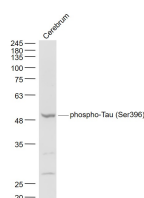
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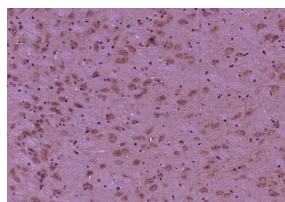
400-901-9800

— DATASHEET —

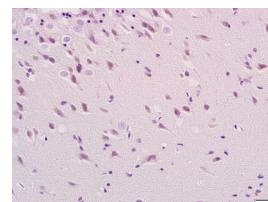
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse, Rat (predicted: Human, Dog) Predicted MW.: 46/79 kDa Subcellular Location: Cell membrane ,Cytoplasm
Clonality: Polyclonal		
GeneID: 4137	SWISS: P10636	
Target: Tau (Ser396)		
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Tau around the phosphorylation site of Ser396: KT(p-S)T.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Tau proteins are important Promotes microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. The C-terminus binds axonal microtubules while the N-terminus binds neural plasma membrane components, suggesting that tau functions as a linker protein between both. Axonal polarity is predetermined by tau localization (in the neuronal cell) in the domain of the cell body defined by the centrosome. The short isoforms allow plasticity of the cytoskeleton whereas the longer isoforms may preferentially play a role in its stabilization. Tau proteins subcellular located in the axons of neurons, in the cytosol and in association with plasma membrane components. It expressed in neurons. PNS-tau is expressed in the peripheral nervous system while the others are expressed in the central nervous system.		

— VALIDATION IMAGES —

Sample: Cerebrum (Rat) Lysate at 40 ug Primary: Anti- phospho-Tau (Ser396) (bs-3446R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52/79 kD Observed band size: 52 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-Tau (Ser396)) Polyclonal Antibody, Unconjugated (bs-3446R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-phospho-Tau protein(Ser396) Polyclonal Antibody, Unconjugated(bs-3446R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=3.943]** Yihan Lu et al. Experimental evidence for alpha enolase as one potential autoantigen in the pathogenesis of both autoimmune thyroiditis and its related encephalopathy. Int Immunopharmacol. 2020 Aug;85:106563. IF ;Mouse. 32442899

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=3.5]** Singh Nidhi Anand K.. et al. Ellagic Acid Reverses Alterations in the Expression of AMPA Receptor and Its Scaffolding Proteins in the Cerebral Cortex and Memory Decline in STZ-sporadic Alzheimer's Disease Mouse Model. PSYCHOPHARMACOLOGY. 2024 Jun;;1-15 WB ;Mouse. 38842699
- **[IF=2.65]** Cai, Zhiyou, Yong Yan, and Yonglong Wang. "Minocycline alleviates beta-amyloid protein and tau pathology via restraining neuroinflammation induced by diabetic metabolic disorder." Clinical Interventions in Aging 8 (2013): 1089-1095. WB ;="Rat". 23983461
- **[IF=3.499]** Ding J et al. The Effect of α -Synuclein and Tau in Methamphetamine Induced Neurotoxicity in Vivo and in Vitro. Toxicol Lett. 2020 Feb 1;319:213-224. IF ;Mouse. 31783120
- **[IF=1.89]** Ku et al. Synergistic effects of particulate matter (PM2.5) and sulfur dioxide (SO2) on neurodegeneration via the microRNA-mediated regulation of tau phosphorylation. (2017) Toxicol.Res.(Camb). 6:7-16 WB ;Mouse. 30090473