

bs-5420R**[Primary Antibody]****phospho-Tau (Thr205) Rabbit pAb****BioSS**
ANTIBODIES

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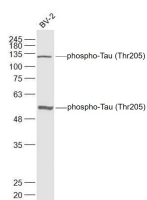
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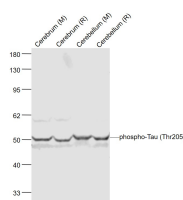
400-901-9800

DATASHEET

Host: Rabbit Clonality: Polyclonal GeneID: 4137 Target: phospho-Tau (Thr205) Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Tau around the phosphorylation site of Thr205: SR(p-T)PS. 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.	Isotype: IgG SWISS: P10636 Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat (predicted: Rabbit, Dog, Horse) Predicted MW.: 52/79 kDa Subcellular Location: Cell membrane ,Cytoplasm
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VALIDATION IMAGES

Sample: BV-2(Mouse) Cell Lysate at 30 ug
Primary: Anti-phospho-Tau (Thr205) (bs-5420R)
at 1/1000 dilution Secondary: IRDye800CW Goat
Anti-Rabbit IgG at 1/20000 dilution Predicted
band size: 52/79 kD Observed band size: 52/129
kD



Sample: Cerebrum (Mouse) Lysate at 40 ug
Cerebrum (Rat) Lysate at 40 ug Cerebellum
(Mouse) Lysate at 40 ug Cerebellum (Rat) Lysate
at 40 ug Primary: Anti-phospho-Tau (Th205)
(bs-5420R) at 1/1000 dilution Secondary:
IRDye800CW Goat Anti-Rabbit IgG at 1/20000
dilution Predicted band size: 50-70 kD Observed
band size: 50 kD

SELECTED CITATIONS

- **[IF=2.1]** Yong Fan. et al. The effect of AQP4 on tau protein aggregation in neurodegeneration and persistent neuroinflammation after cerebral microinfarcts. OPEN MED-WARS AW. 2023 Jan;18(1): WB,IF ;MOUSE. 37873537