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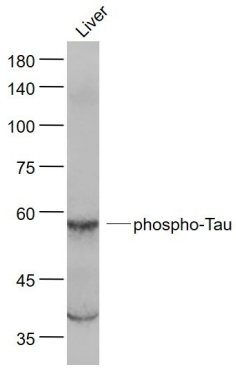
phospho-Tau (Ser214) Rabbit pAb

Catalog Number:	bs-5416R
Target Protein:	phospho-Tau (Ser214)
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000)
Reactivity:	Mouse (predicted:Human, Rat, Rabbit, Cow, Dog, Horse)
Predicted MW:	52/79 kDa
Entrez Gene:	4137
Swiss Prot:	P10636
Source:	KLH conjugated Synthesised phosphopeptide derived from human Tau around the phosphorylation site of Ser214: TP(p-S)LP.
Purification:	affinity purified by Protein A
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 cytoso l 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: Liver (Mouse) Lysate at 40 ug Primary: Anti-phospho-Tau (Ser214) (bs-5416R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52/79 kD Observed band size: 58 kD

PRODUCT SPECIFIC PUBLICATIONS

[IF=4.01] St Amand MM et al. A genetic model to study O-GlcNAc cycling in immortalized mouse embryonic fibroblasts.J Biol Chem. 2018 Aug 31;293(35):13673-13681. WB ; Mouse . 29954943

[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