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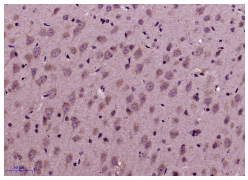
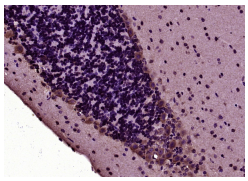
phospho-Tau (Thr498) Rabbit pAb

Catalog Number:	bs-0885R
Target Protein:	phospho-Tau (Thr498)
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:50-200), Flow-Cyt (1ug/test), ICC/IF (1:100)
Reactivity:	Human, Mouse, Rat (predicted: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 Thr498: PK(p-T)PP.
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.

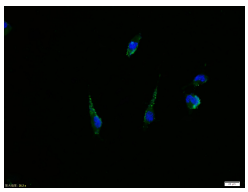
VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Rat 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 (Thr498)) Polyclonal Antibody, Unconjugated (bs-0885R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse cerebellum); 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 (Thr498)) Polyclonal Antibody, Unconjugated (bs-0885R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell:SH-SY5Y cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (phospho-Tau (Thr498)) polyclonal Antibody, Unconjugated (bs-0885R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

PRODUCT SPECIFIC PUBLICATIONS

[IF=0] Nalla Swathi. et al. Defensive Impact of Kaempferide Against Neurodegenerative Studies: In Vitro and In Vivo Investigations. Chemistry Africa-A Journal of the Tunisian Chemical Society. 2023 Apr;:1-11 WB ; Rat . 10.1007/s42250-023-00673-9