

Tau (Phospho-T231) polyclonal antibody

Catalog: BS94046

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Tau, also known as MAPT (microtubule-associated protein tau), MAPTL, MTBT1 or TAU, is a 758 amino acid protein that localizes to the cytoplasm, as well as to the cytoskeleton and the cell membrane, and contains four Tau/MAP repeats. Expressed in neuronal tissue and existing as multiple alternatively spliced isoforms, Tau functions to promote microtubule assembly and stability and is thought to be involved in the maintenance of neuronal polarity. Tau may also link microtubules with neural plasma membrane components and, addition to its role in microtubule stability, is also necessary for cytoskeletal plasticity. Tau is highly subject to a variety of post-translational modifications, including phosphorylation on serine and threonine residues, polyubiquitination (and subsequent proteasomal degradation) and glycation of specific Tau isoforms. Defects in the gene encoding Tau are associated with Alzheimers disease, pallido-ponto-nigral degeneration (PPND), corticobasal degeneration (CBD) and progressive supranuclear palsy (PSP).

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

46 kDa

Swiss-Prot:

P10636(Human) P10637(Mouse) P19332(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000

IHC:1:50-1:200

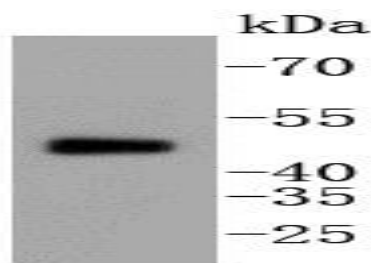
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

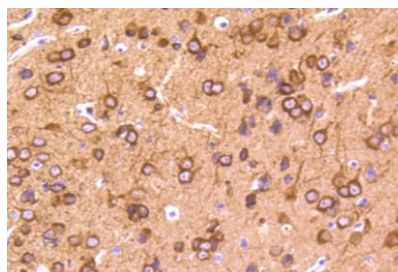
Specificity:

Tau (Phospho-T231) polyclonal antibody detects endogenous levels of Tau protein only when phosphorylated at T231.

DATA:



Western blot analysis of phospho -Tau(T231) on mouse brain lysates using anti-Tau(phospho T231) antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-phospho -Tau(T231) antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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