



## Tau (phospho-S519) polyclonal antibody

Catalog: BS4914

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.

### Product:

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

### Molecular Weight:

~ 50-80 kDa

### Swiss-Prot:

P10636

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Tau (phospho-S519) polyclonal antibody detects endogenous levels of Tau protein only when phosphorylated at Ser519.

### DATA:

Western blot (WB) analysis of Tau (phospho-S519) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:The Brain tissue lysate of Rat(40ug)

Lane3:The Brain tissue lysate of Mouse(40ug)

Lane4:HCT116 whole cell lysate(40ug)

### Note:

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

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