

## Tau (phospho-T231) polyclonal antibody

Catalog: BS4252

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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

50 to 80 kDa

### Swiss-Prot:

P10636

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

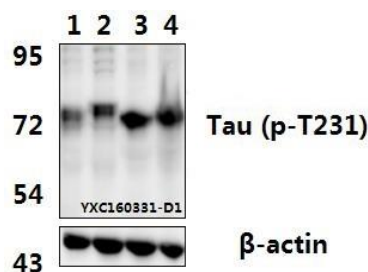
### Storage&Stability:

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

### Specificity:

p-Tau (T231) polyclonal antibody detects endogenous levels of Tau only when phosphorylated at Thr548, isoforms Tau-3 and isoforms Tau-4 phosphorylated at Thr231, and other isoforms phosphorylated at the corresponding Site.

### DATA:



Western blot (WB) analysis of Tau (phospho-T231) polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate(40µg)

Lane2:Hela treated with EGF(0.1ng/ml, 30min) whole cell lysate(40µg)

Lane3:C6 whole cell lysate(40µg)

Lane4:C6 treated with EGF(0.1ng/ml, 30min) whole cell lysate(40µg)

### Note:

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

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