

# Phospho-TAU (Thr231) Recombinant antibody

**Cat:**B36418S**Company:** HaoKebio**Uniprot ID:**P10636**Applications:** IHC:1:100-1:500**Organism:**Rabbit

IHC-Polymer:1:400-1:2000

**Species reactivity:**Human Mouse

IHC-TSA:1:500-1:2500

**Molecular Weight Calculation:** 37-46, 79-81 kDa

IF:1:100-1:500

**Observed Molecular Weight:** 50-80 kDa

WB:1:1000-1:4000

FC:1:800-1:3200

**Background:**

Tau (tubulin-associated unit) is a microtubule-associated protein (also known as MAPT), expressed mainly in neurons of the central nervous system. Its primary function is to modulate microtubule dynamics for maintaining axonal cytoskeleton. The Tau protein has six isoforms produced from a single gene through alternative RNA splicing. Isoforms differ in number of inserts at the N-terminal half and the number of repeats at the C-terminal half (3 repeat-3R; 4 repeat-4R). Tau is hyperphosphorylated during aging and in age-related neurodegenerative diseases such as Alzheimer's disease (AD) and fronto-temporal dementia. Hyperphosphorylation of Tau leads to the formation of neurofibrillary tangles (NFT) in the neurons and glia cells, which is one of the hallmarks of AD.

**Synonyms:**

p TAU, p TAU (Thr231), p TAU Thr231, Phospho TAU, Phospho TAU (Thr231)

**Immunogen:**

Recombinant protein

**Isotype:**

IgG

**Subcellular location:**

Cytoplasm,Dendrite

**Purity:**

Affinity purification

**Form:**

Liquid

**Storage Buffer:**

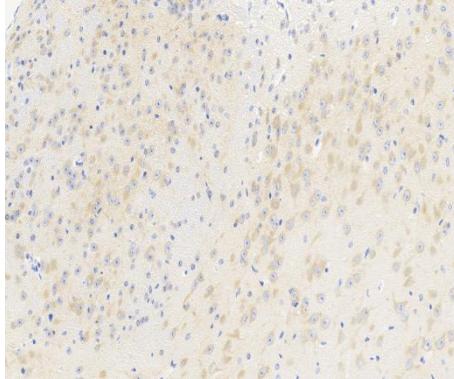
PBS with 0.02% sodium azide,100 µg/ml BSA and 50% glycerol.

**Storage:**

Store at -20 °C for one year.

**Experimental procedure:**

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

**Images:**

Sample: Mouse brain, 4% PFA 12-24h

**Source of Reagents:**

发表[中文论文]请标注:Phospho-TAU (Thr231)(B36418S)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:Phospho-TAU (Thr231)(B36418S) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.