

Product datasheet for TA384748

OriGene Technologies, Inc.

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Tau (MAPT) Rabbit Monoclonal Antibody [Clone ID: R07-4A8]

Product data:

Product Type: Primary Antibodies

Clone Name: R07-4A8

Applications: WB

Recommended Dilution: WB: 1/1000

Reactivity: Human
Host: Rabbit
Isotype: IgG

Clonality: Monoclonal

Immunogen: A synthetic phosphopeptide corresponding to residues surrounding Thr205 of human Tau

(Phosphorylated)

Formulation: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA

Concentration: lot specific

Purification: Affinity Purified
Conjugation: Unconjugated

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

Stability: 1 year

Predicted Protein Size: Calculated MW: 79 kDa; Observed MW: 50-80 kDa

Gene Name: microtubule associated protein tau

Database Link: Entrez Gene 4137 Human

P10636

Background: Swiss-Prot Acc.P10636.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/MAPT 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.

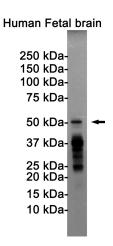




Synonyms:

DDPAC; FLJ31424; FTDP-17; MAPTL; MGC138549; MSTD; MTBT1; MTBT2; PHF-tau; PPND; TAU

Product images:



Western blot analysis of Tau (Phospho-Thr205) in Human Fetal brain lysates using Phospho-Tau (Thr205) antibody.