



Tau (Phospho-Ser519/202) Antibody

E11-8067A

Catalog Number: E11-8067A

Concentration: 1mg/ml

Swiss-Prot No.: P10636

Other Names: MAPT; Microtubule-associated protein tau; MTBT1; Neurofibrillary tangle protein; Paired helical filament-tau; PHF-tau

All Sites: Human: Ser519; Mouse: Ser494; Rat: Ser513

Storage/Stability: Store at -20°C/1 year

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human Tau around the phosphorylation site of serine 519 (P-G-S^P-P-G).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using

epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

Specificity: Tau (Phospho-Ser519/202) antibody detects endogenous levels of Tau only when phosphorylated at serine 519.

Reactivity: Human (Identities = 100%, Positives = 100%);
Mouse (Identities = 100%, Positives = 100%);
Rat (Identities = 100%, Positives = 100%)

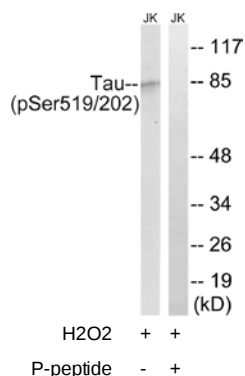
Applications: WB: 1:500~1:1000 ELISA: 1:1000

References:

Goedert M., Proc. Natl. Acad. Sci. U.S.A. 85:4051-4055(1988).

Goedert M., EMBO J. 8:393-399(1989).

Lee G., Neuron 2:1615-1624(1989).



Western blot analysis of extracts from Jurkat cells, treated with H2O2 (100uM, 30mins), using Tau (Phospho-Ser519/202) antibody.

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