

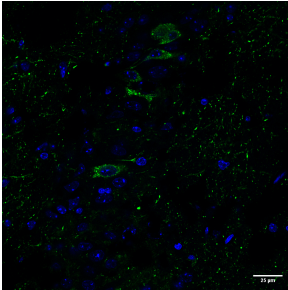
## Anti-Tau (phospho Ser202 + Thr205) Antibody [AH36] (A304919)

### Specifications:

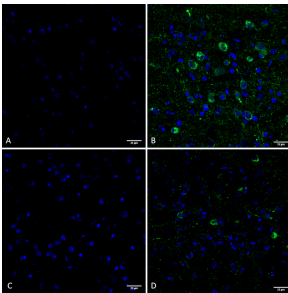
Name:	Anti-Tau (phospho Ser202 + Thr205) Antibody [AH36]
Description:	Rabbit monoclonal [AH36] antibody to Tau (phospho Ser202 + Thr205).
Applications:	WB, Dot, ICC/IF, ELISA, IHC
Recommended Dilutions:	WB: 1:500, ICC/IF: 1:500, IHC: 1:500
Reactivity:	Human, Mouse
Immunogen:	Synthetic peptide of Human Phospho Tau (Ser202/Thr205).
Host:	Rabbit
Clonality:	Monoclonal
Clone ID:	AH36
Isotype:	IgG
Conjugate:	Unconjugated
Purification:	Affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	~79 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline, pH 7.4, with 50% Glycerol and 0.09% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

## Anti-Tau (phospho Ser202 + Thr205) Antibody [AH36] (A304919)

### Images:



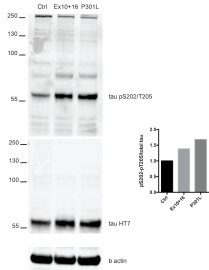
Immunohistochemistry analysis of mouse brain slice. The Primary Antibody used was Anti-Tau (phospho Ser202 + Thr205) Antibody [AH36] (A304919) at 1:500 for Overnight at 4°C. The secondary antibody used was Anti-Rabbit IgG: AlexaFluor 488. Counterstain: DAPI at 1:1,000 for 5 min. CA3 Region of P301SxUBQLN2 Tg mouse. IHC Protocol: 1. Post-fix brains in 4% PFA for 24 hours and put through a 10-30% sucrose gradient. 2. Section by cryostat at 10  $\mu$ m thickness. 3. Fix in MeOH 15 min. 4. 3 - 10 min wash in PBS 1X. 5. Heat via microwave in 10mM Citrate Buffer, pH 6 for 4 min at power level 20. 6. Cool in solution for 20 min. 7. Wash 2 - 5 minutes in PBS. 8. Permeabilize in 0.5% Triton-X 100 in PBS 10 min. 9. Wash in PBS 10 min. 10. Block for 1 hour in 5% goat serum. 11. Incubate primary Ab (1:500) in blocking solution overnight at 4°C. 12. Wash 3 - 10 min in PBS. 13. Incubate in secondary Ab Rb IgG Alexa-fluor 488. 14. Wash 3 - 10 min in PBS. 15. Incubate in DAPI 1:1,000 for 5 min. 16. Wash 3 - 5 min. 17. Coverslip with Prolong-Gold.



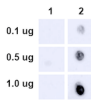
Immunohistochemistry analysis of mouse brain slice. The Primary Antibody used was Anti-Tau (phospho Ser202 + Thr205) Antibody [AH36] (A304919) at 1:500 for Overnight at 4°C. The secondary antibody used was Anti-Rabbit IgG: AlexaFluor 488. Counterstain: DAPI at 1:1,000 for 5 min. (A) Pons of Non-Tg mouse. (B) Pons of P301SxUBQLN2 Tg mouse. (C) Prefrontal cortex of Non-Tg mouse. (D) Prefrontal cortex of P301SxUBQLN2 Tg mouse. IHC Protocol: 1. Post-fix brains in 4% PFA for 24 hours and put through a 10-30% sucrose gradient. 2. Section by cryostat at 10  $\mu$ m thickness. 3. Fix in MeOH 15 min. 4. 3 - 10 min wash in PBS 1X. 5. Heat via microwave in 10mM Citrate Buffer, pH 6 for 4 min at power level 20. 6. Cool in solution for 20 min. 7. Wash 2 - 5 minutes in PBS. 8. Permeabilize in 0.5% Triton-X 100 in PBS 10 min. 9. Wash in PBS 10 min. 10. Block for 1 hour in 5% goat serum. 11. Incubate primary Ab (at 1:500) in blocking solution overnight at 4°C. 12. Wash 3 - 10 min in PBS. 13. Incubate in secondary Ab Rb IgG Alexa-fluor 488. 14. Wash 3 - 10 min in PBS. 15. Incubate in DAPI 1:1,000 for 5 min. 16. Wash 3 - 5 min. 17. Coverslip with Prolong-Gold.

## Anti-Tau (phospho Ser202 + Thr205) Antibody [AH36] (A304919)

Images continued:



Western blot analysis of human iPSC-derived cortical neurons showing detection of Tau protein using Anti-Tau (phospho Ser202 + Thr205) Antibody [AH36] (A304919) at 1:500 for Overnight. Lane 1: MW ladder. Lane 2: Control (non-disease) line. Lane 2: Ex10+16 tau mutant sample. Lane 3: P301L tau mutant sample. Load: 50ug. pSer202/pThr205 was detected using A304919. Total tau was detected using mouse anti-tau antibody (clone HT7). The bar graph on the right shows quantification of pSer202/pThr205 compared to total tau in each sample.



1: Tau 2N4R P301S (E.coli expressed, unphosphorylated)  
2: Tau 2N4R P301S (Baculovirus expressed, phosphorylated)

Dot blot analysis of E. Coli, Baculovirus using Anti-Tau (phospho Ser202 + Thr205) Antibody [AH36] (A304919) at 1:500. The secondary antibody used was Goat anti-rabbit IgG:HRP.