

Additional file 1: Table S1. Antibodies used for western blots and immunohistochemistry

| Primary Antibodies | | | | |
|-----------------------------|--|-----------|------------|---------------------------|
| Antibody | Antigen/Epitope | WB | ICC | Source |
| K9JA | C-terminal half of tau | 1/10,000 | 1/1,000 | DAKO |
| PHF1 | Tau phosphorylated at S396/S404 | 1/5,000 | - | Professor P. Davies [1] |
| AT8 | Tau phosphorylated at S202/T205 | 1/3,000 | - | Thermo Fisher Scientific |
| AT180 | Tau phosphorylated at T231 | 1/500 | - | Innogenetics |
| AC15 | β -Actin | 1/10,000 | - | Abcam |
| Actin | β -Actin (Ab8227) | 1/10,000 | - | Abcam |
| DM1A | α -Tubulin | 1/1,000 | 1/1,000 | Sigma |
| Acetylated tubulin | Tubulin acetylated at Lys40 | 1/2,000 | 1/200 | Santa Cruz Biotechnology |
| α -Tubulin | α -Tubulin | 1/1,000 | 1/200 | Abcam |
| α TAT1 | α -Tubulin N-acetyltransferase 1 (MEC-17) | 1/500 | - | Abcam |
| GSK3 | Glycogen synthase kinase3 α / β (GSK3 α / β) | 1/1,000 | - | Santa Cruz Biotechnology |
| Phospho-GSK3 | GSK3 α / β phosphorylated at Ser21/Ser9 | 1/500 | - | Cell Signaling Technology |
| Akt | Akt | 1/1,000 | - | Cell Signaling Technology |
| Phospho-Akt | Akt phosphorylated at Ser473 | 1/1,000 | - | Cell Signaling Technology |
| PERK | PRKR-like endoplasmic reticulum kinase | 1/1,000 | - | Cell Signaling Technology |
| Phospho-PERK | PERK phosphorylated at Thr980 | 1/1,000 | - | Cell Signaling Technology |
| eIF2 α | Eukaryotic Initiation factor 2 α | 1/500 | - | Cell Signaling Technology |
| Phospho-eIF2 α | EIF2 α phosphorylated at Ser51 | 1/500 | - | Cell Signaling Technology |
| ATF6 α | Amino acids 1-273 of human activating transcription factor 6 | 1/500 | - | Novus Biologicals |
| IRE1 α | Inositol-requiring enzyme 1 α | 1/1,000 | - | Cell Signaling Technology |
| Phospho-IRE1 α | IRE1 α phosphorylated at S724 | 1/1,000 | - | Novus Biologicals |
| CHOP | Amino acids 1-168 of full length CCAAT-enhancer-binding protein homologous protein | 1/200 | - | Santa Cruz Biotechnology |
| GAPDH | Glyceraldehyde 3-phosphate dehydrogenase | 1/2,000 | - | Santa Cruz Biotechnology |
| Secondary Antibodies | | | | |
| Antibody | Species Reactivity | WB | ICC | Source |
| AlexaFluor 680 | Anti-mouse IgG | 1/10,000 | - | Life Technologies |
| IRDye 800 | Anti-rabbit IgG | 1/10,000 | - | Rockland Inc |
| AlexaFluor 488 | Anti-rabbit IgG | - | 1/500 | Life Technologies |
| AlexaFluor 568 | Anti-mouse IgG | - | 1/500 | Life Technologies |

ICC = immunocytochemistry; IgG = immunoglobulin G; WB = western blot

Reference

- Greenberg SG, Davies P, Schein JD, Binder LI (1992) Hydrofluoric acid-treated tau PHF proteins display the same biochemical properties as normal tau. *J Biol Chem* 267: 564-569