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| **Tau-form** | **Kind of tissue** | **Outcome** |
| total tau | - HEK293 cells- brain homogenates from wild type (WT) and *Prnp0/0* mice (3 and 15 months, cortex, hippocampus, and cerebellum, before and after ischemic insult) | - interaction with PrPC- no significant differences in physiological tau level (western blot, WB) - upregulation of tau after ischemic insult (MSD-assay)  |
| 3PO-tau | - HEK293 cells | - reduced levels and toxicity in PrPC-overexpressing cells (subcellular fractionation, WB, crystal violet cell survival assay) |
| p-tau (Thr-205 and Ser-202) | - HEK293 cells | - reduced levels in PrPC-overexpressing cells (subcellular fractionation, WB) |
| p-tau (Thr-181)  | - HEK293 cells- brain homogenates from WT and *Prnp0/0* mice (3 and 15 months) | - Interaction with PrPC (immunoprecipitation, IP)- no differences in *Prnp0/0* brains (WB) |
| p-tau (Ser-396)  | -HEK293 cells- brain homogenates from WT and *Prnp0/0* mice (3 and 15 months)  | - Interaction with PrPC (IP)- no differences in *Prnp0/0* brains (WB) |
| p-tau (Ser-199)  | Brain homogenates from WT and *Prnp0/0* mice (3 and 15 months, cortex, hippocampus and cerebellum) | - no differences in *Prnp0/0* brains (WB, IP) |
| p-tau (Thr-231)  | Brain homogenates from WT and *Prnp0/0* mice (3 and 15 months) | - no differences in *Prnp0/0* brains (MSD-assay) |

**Supplementary Table 1.** Overview of the examined p-tau isoforms that were analyzed in this study.