Correction

NEUROSCIENCE.

Correction for "Sulfhydration of AKT triggers Tau-phosphorylation by activating glycogen synthase kinase 3β in Alzheimer's disease," by Tanusree Sen, Pampa Saha, Tong Jiang, and Nilkantha Sen, which was first published February 12, 2020; 10.1073/pnas.1916895117 (*Proc. Natl. Acad. Sci. U.S.A.* **117**, 4418–4427).

The authors note that Fig. 2 appeared incorrectly. The corrected figure and its legend appear below. The online version has been corrected.

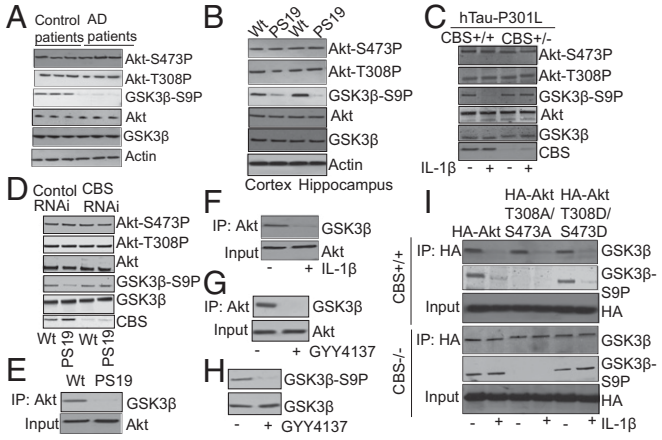

Fig. 2. Phosphorylation of GSK3β is dependent on H_2S. (*A*) Western blot analysis using brain tissue lysates of AD patients showed that AKT phosphorylation at S473 (AKT-S473P) and T308 (AKT-T308P) remains unaltered, but phosphorylation of GSK3β at S9 (GSK3β S9P) was decreased significantly. (*B*) Phosphorylation of AKT at S473 (AKT-S473P) and T308 (AKT-T308P) remains unaltered but phosphorylation of GSK3β at S9 (GSK3β S9P) was decreased in the cortex and hippocampus of PS19 mice analyzed by Western blot. (*C*) Administration of IL-1β in $CBS^{+/-}$ mice overexpressing hTau-P301L rescued phosphorylation of GSK3β at S9 (GSK3β S9P) compared to $CBS^{+/+}$ mice overexpressing hTau-P301L. (*D*) Western blot analysis showed that depletion of CBS after administration of CBS RNAi in PS19 mice rescued phosphorylation of GSK3β at S9 (GSK3β S9P) although AKT phosphorylation at S473 (AKT-S473P) and T308 (AKT-T308P) remained unaltered. (*E*) The interaction between AKT and GSK3β was decreased in PS19 mice and analyzed by coimmunopreciptation (co-IP) analysis. (*F*) Administration of IL1β (10 ng) causes a decrease in the interaction between AKT and GSK3β in primary neuron culture. (*G* and *H*) Administration of GYY4137 (300 μM) causes a decrease in the interaction between AKT and GSK3β and the phosphorylation of GSK3β at S9 residue. (*I*) $CBS^{+/+}$ or $CBS^{-/-}$ neurons overexpressing HA-AKT, HA-AKT-T308A/S473A, or HA-AKT-T308D/S473D were treated with IL-1β. Administration of IL-1β affects interaction between Akt and GSK3β and phosphorylation of GSK3β in $CBS^{+/+}$ neurons compared to $CBS^{-/-}$ neurons.

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