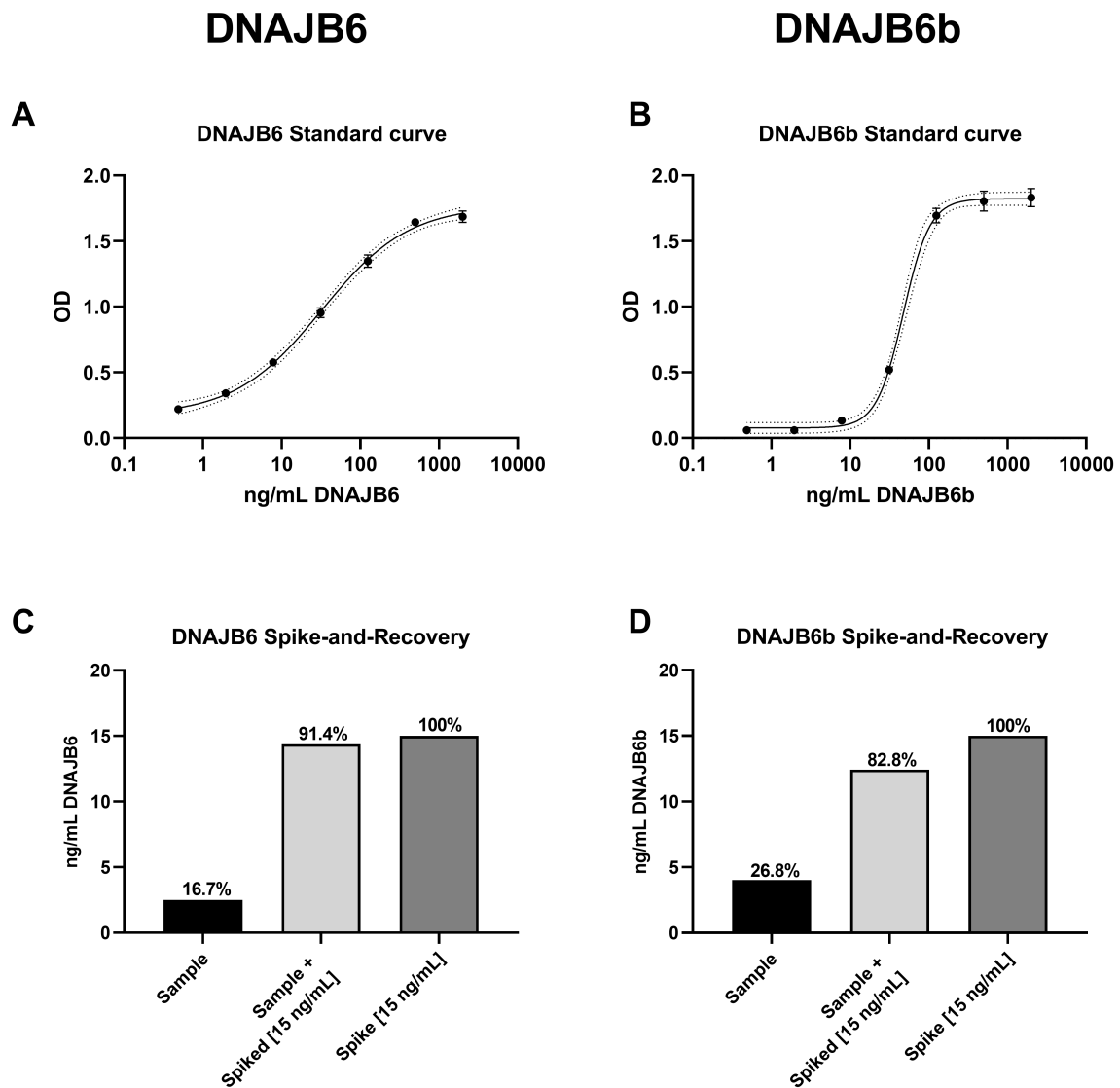
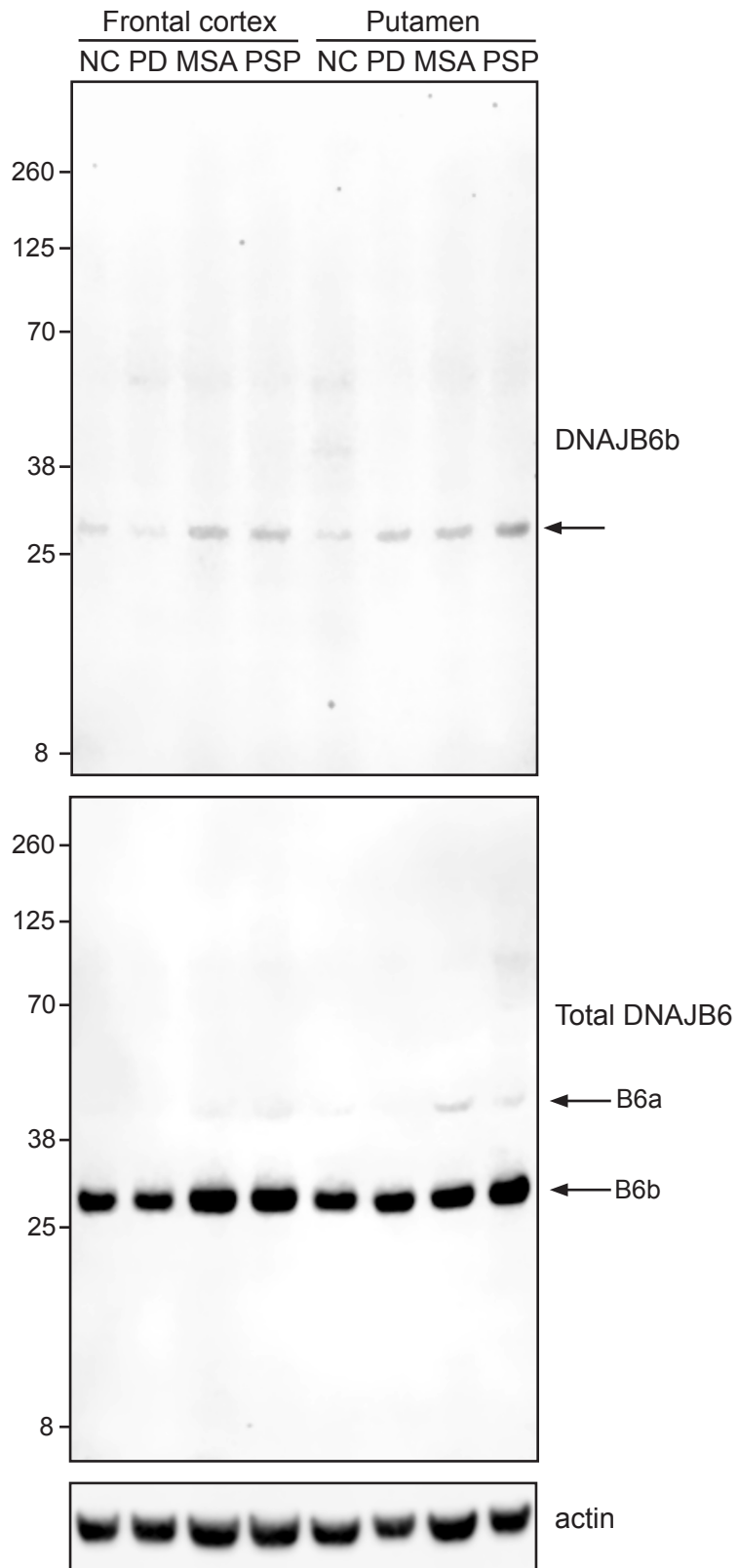


Supplementary Material

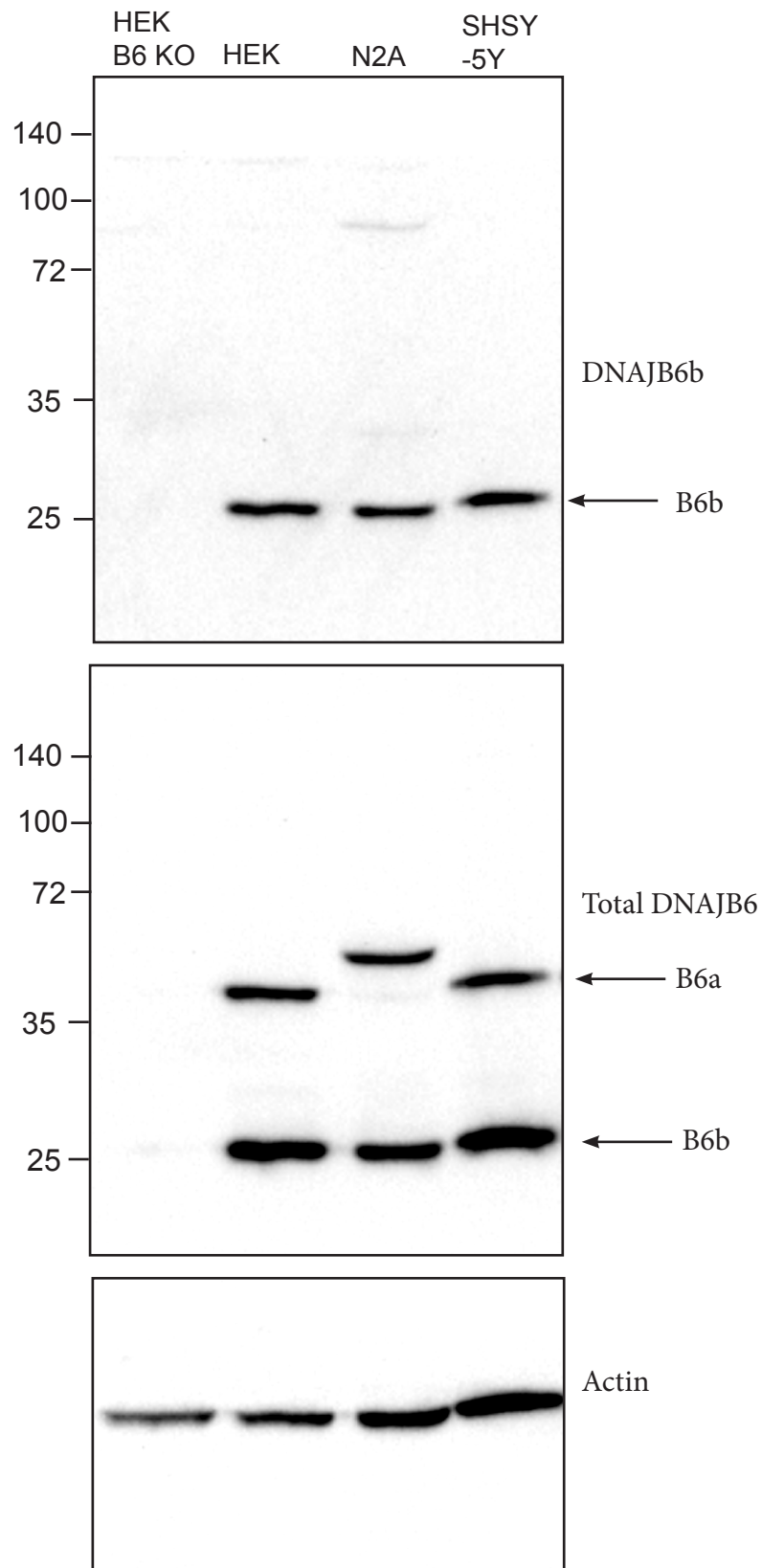
DNAJB6 Is Downregulated in Synucleinopathies



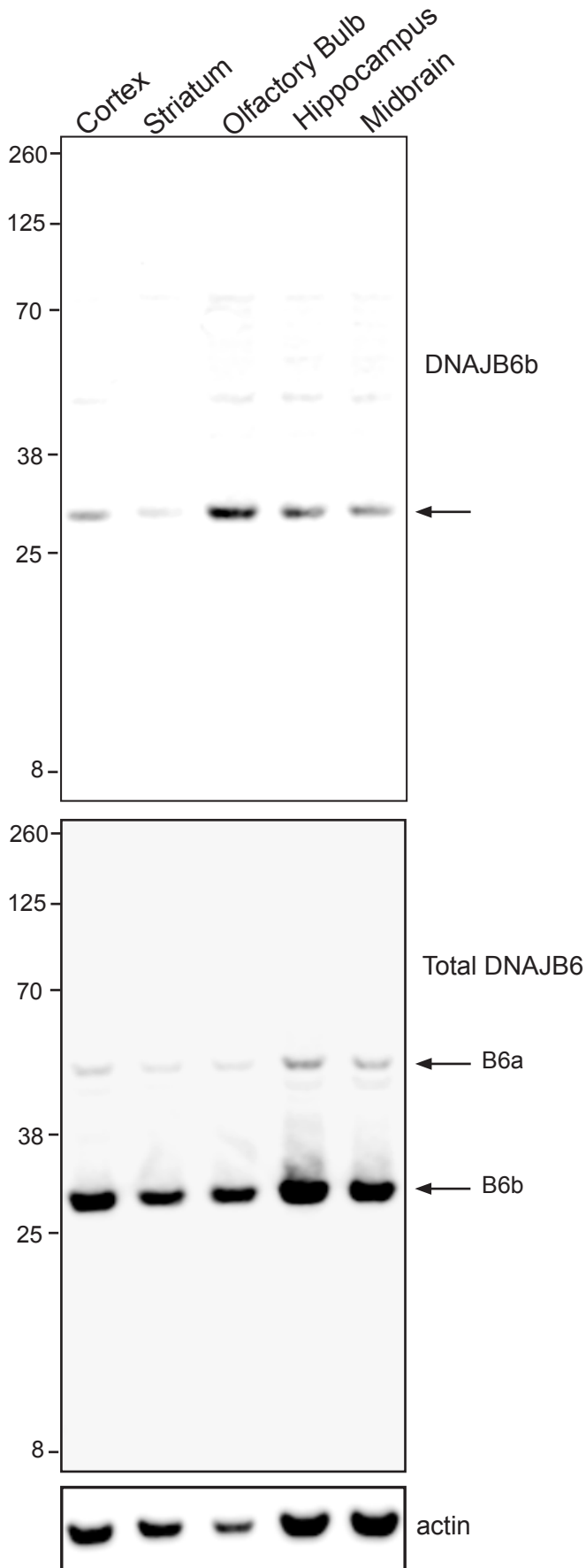
Supplementary Figure 1. Standard curves and Spike-recovery test for ELISA measurement. *Standard curves:* ELISA standard curves for **A)** DNA and **B)** DNAJB6b. Detection limit were set at 0.5 ng/mL with above 2 x standard deviation from background PBS+BSA01%. *Spike-and-recovery test:* Duplicates of pooled brain homogenates were spiked with 15 ng/mL **C)** DNAJB6 and **D)** DNAJB6b, respectively. Recovery (%) of spiked DNAJB6 and DNAJB6b was calculated by percentage of amount reduced binding from a non-sample spike (15 ng/mL). The recovery for DNAJB6 was 91.4% and for DNJAB6b 82.4%, indicating a small matrix effect. Matrix effect is higher in DNAJB6b, probably due to the dilution factor for the assay which was 1:1, compared to 1:20 for DNAJB6.



Supplementary Figure 2. Western blot depicting the expression of DNAJB6b and total DNAJB6 in representative samples from human brain tissue. This was analyzed by probing membranes with anti-DNAJB6b, anti-total DNAJB6 and HRP conjugated anti-rabbit antibodies, as well as HRP conjugated anti-actin as a loading control.



Supplementary Figure 4. Western blot is the same is shown as shown in Figure 1B, depicting the expression of DNAJB6b and total DNAJB6 in selected cell lines, but here we present the full blot when stained with anti-DNAJB6b or anti-total DNAJB6 (top and middle blots, respectively).



Supplementary Figure 5. Western blot is the same is shown as shown in Figure 3C, depicting the expression of DNAJB6b and total DNAJB6 in selected brain tissues, but here we present the full blot when stained with anti-DNAJB6b or anti-total DNAJB6 (top and middle blots respectively).