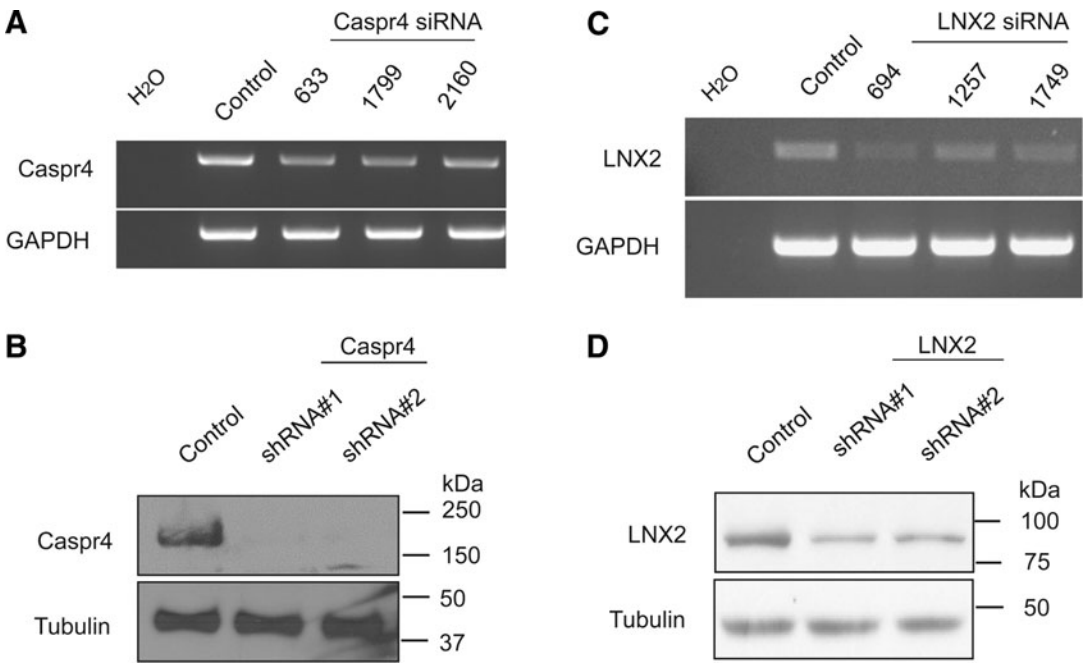

SUPPLEMENTARY FIG. S5. Validation of small interference RNA (siRNA) and small hairpin RNA (shRNA) of Caspr4 and LNX2. **(A, C)** Caspr4 siRNAs (633, 1,799, and 2,160); **(A)** LNX2 siRNAs (694, 1,257, and 1,749); **(C)** or the scrambled siRNA (NC) were transfected into NPCs. Reverse transcription–polymerase chain reaction was performed to analyze the mRNA levels of Caspr4 **(A)** and LNX2 **(C)** at 48 h after transfection. GAPDH was detected as loading control. siRNAs 633 and 694 were used to knockdown the expression of Caspr4 and Lnx2 in NPCs, respectively. **(B)** Caspr4 shRNAs (Caspr4 shRNA#1 and 2) and Caspr4 cDNA were cotransfected into HEK293T cells. The cells were harvested at 48 h after transfection and subjected to western blot analysis using antibodies against Caspr4. γ-Tubulin (tubulin) was detected as a loading control. **(D)** LNX2 shRNAs (LNX2 shRNA#1 and 2) and LNX2 cDNA were cotransfected into HEK293T cells. The cells were harvested at 48 h after transfection and subjected to western blot analysis using antibodies against LNX2. γ-Tubulin (tubulin) was detected as a loading control.