



**Supplementary Figure. OGD/R-induced CAPN-2 upregulation and apoptosis in VSC4.1**

**neurons.** A, Representative double immunofluorescence staining showed that DAPI (blue), CAPN-2 (green) and Annexin V (red) were colocalized in the same neurons. Scale bar = 50  $\mu$ m.

B, Quantification of the number of CAPN-2-positive neurons with Annexin V. C,

Representative double immunofluorescence staining showed that DAPI (blue), CAPN-2 (green) and cleaved caspase-3 (red) were colocalized in the same neurons. Scale bar = 50  $\mu$ m.

D, Quantification of the number of CAPN-2-positive neurons with cleaved caspase-3. The data are expressed as the mean $\pm$ SD. \* $P$  < 0.05 versus the control group