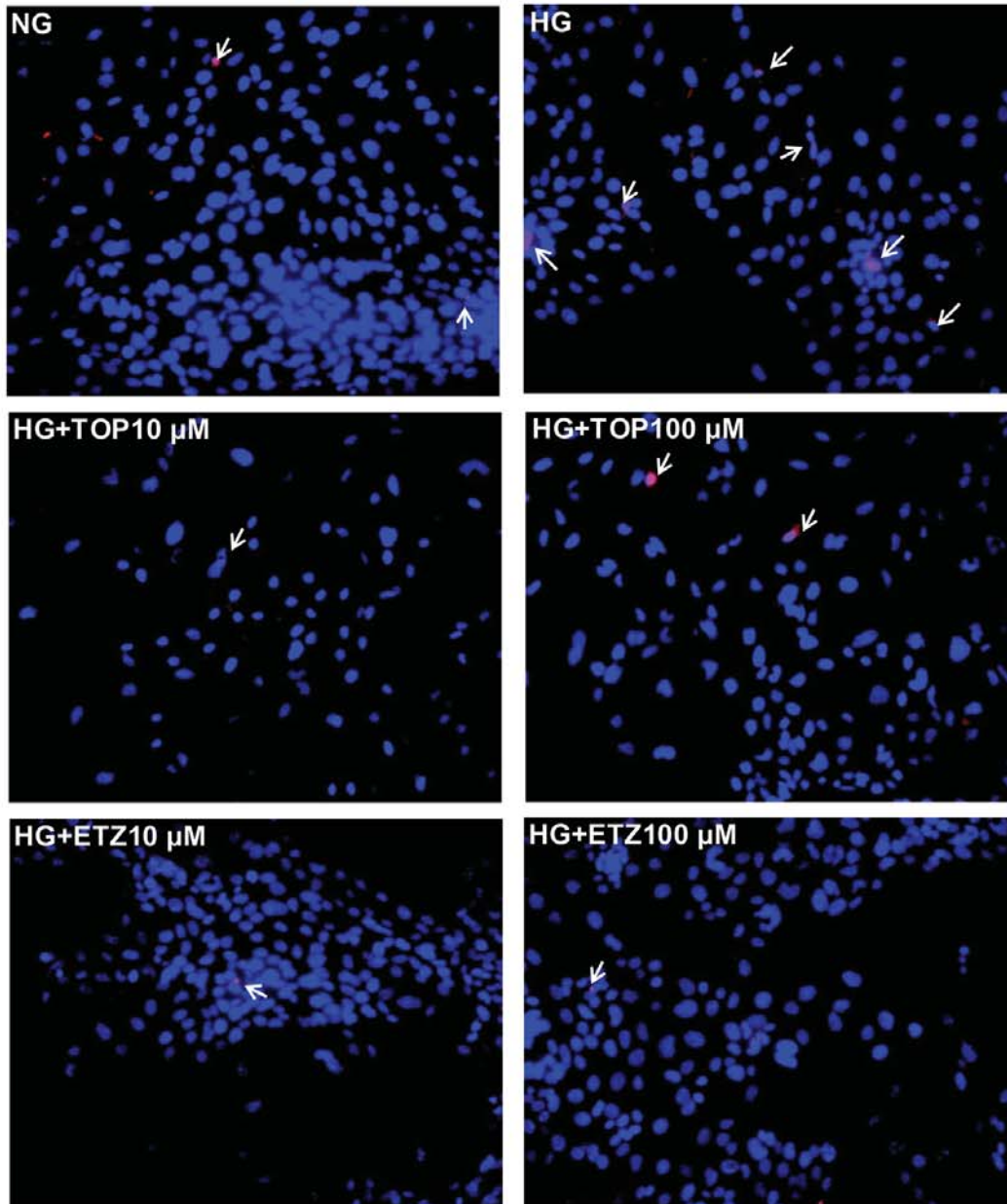


Pharmacological Inhibition of Mitochondrial Carbonic Anhydrases Protects Mouse Cerebral Pericytes from High Glucose-Induced Oxidative Stress and Apoptosis

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Supplemental Figure 2



Legend:

TUNEL images showing the effect of inhibition of mCA on high glucose-induced apoptosis in immortalized cerebral pericytes (IPC). The IPC were cultured in normal glucose (NG, 5.7 mM), high glucose (HG, 40.7 mM), or HG with either ethoxzolamide (ETZ) or topiramate (TOP) for 5 days. Apoptotic cells were discerned by TUNEL staining, nuclei were counterstained with Hoechst. High glucose induced apoptosis was attenuated by both ETZ and TOP at both concentrations (10,100 μM).