



Additional Figure 4 Effect of CIMT on the colocalization of NR1 with GluR1 in ipsilateral hippocampal CA3 region (double immunofluorescence staining).

Double-immunolabeled confocal images for NR1 (red, stained by Cy3) and GluR1 (green, stained by Alexa Fluor 488) in CA3 area. Selecting areas other than neuron nuclei (with DAPI staining) were for colocalization analysis. The right image is a scatter plot of the correlation between NR1 and GluR1 distributions. The x-axis is the red fluorescence channel and the y-axis is the green fluorescence channel. The colocalization of NR1 with GluR1 in MCAO group was significantly higher than that in other two groups. Scale bars: 50 μm . CIMT: Constraint-induced movement therapy; DAPI: 4',6-diamidino-2-phenylindole; GluR1: glutamate receptor 1; MCAO: middle cerebral artery occlusion; NR1: glutamate receptor N-methyl-D-aspartic acid receptor 1.