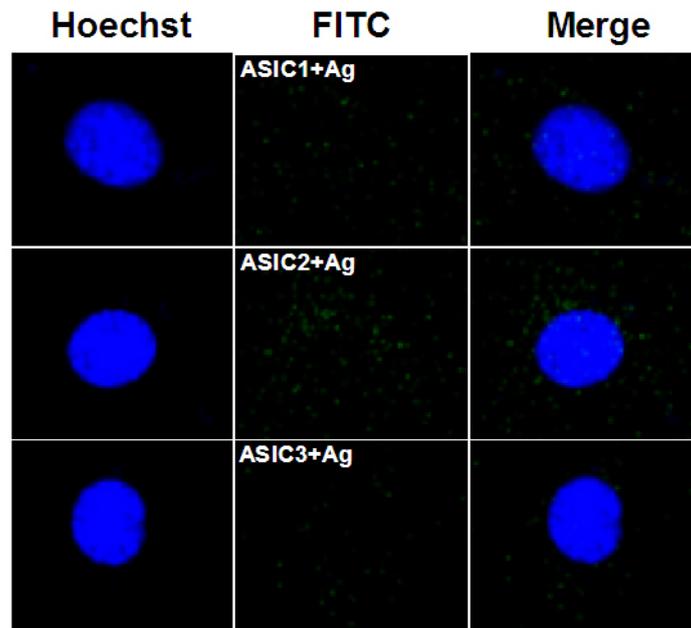


## Additional file 1



**SFig1. Identification of specificity of ASICs antibodies.** Detection of ASICs protein in cortical neurons by double-staining immunofluorescence (original magnification×400). Nuclei were counterstained with Hoechst33258 (blue). ASICs were labeled with FITC (green). ASIC1, ASIC2 and ASIC3 protein do not be detected after pretreatment with the corresponding antigen (Ag) peptide