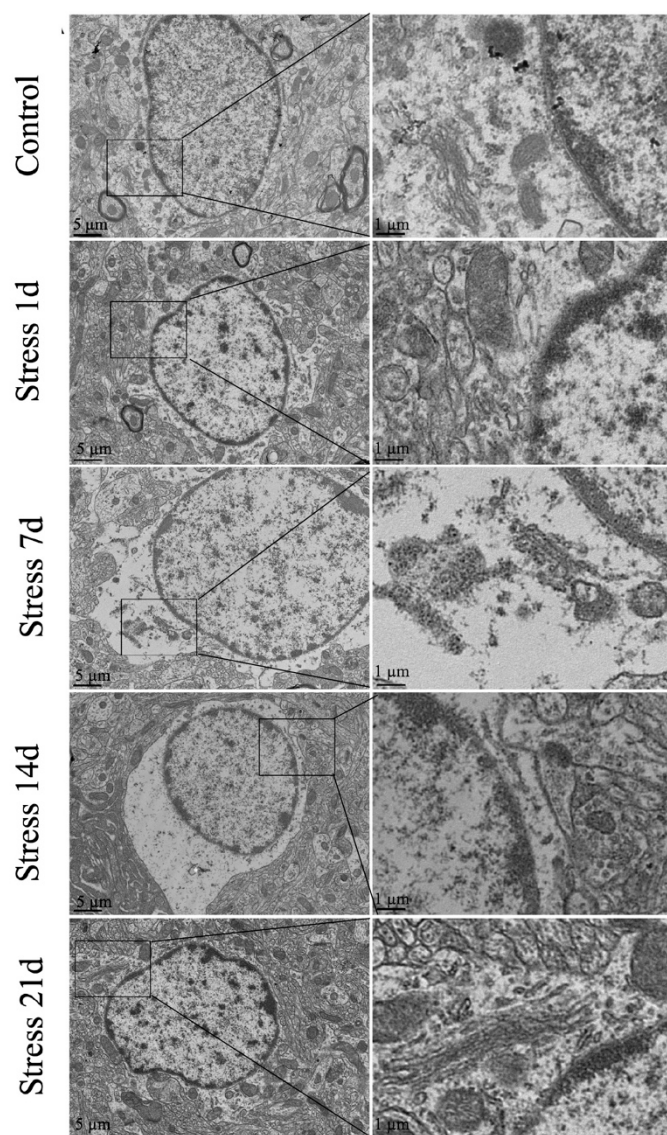


Supplementary Material

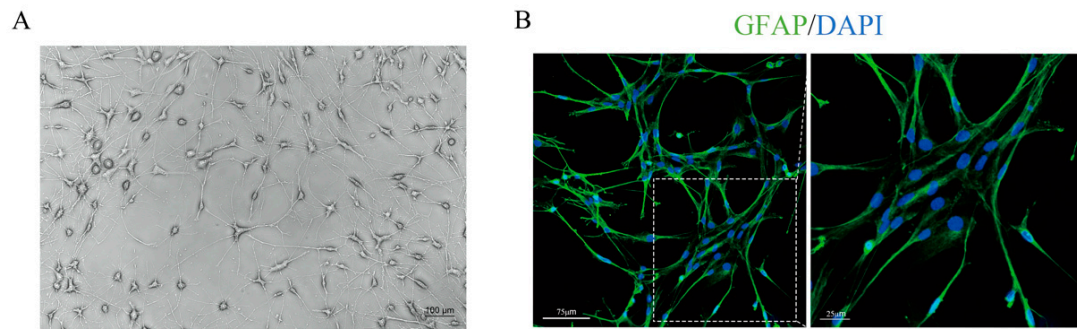
1 Supplementary Figures

1.1 Supplementary Figure S1



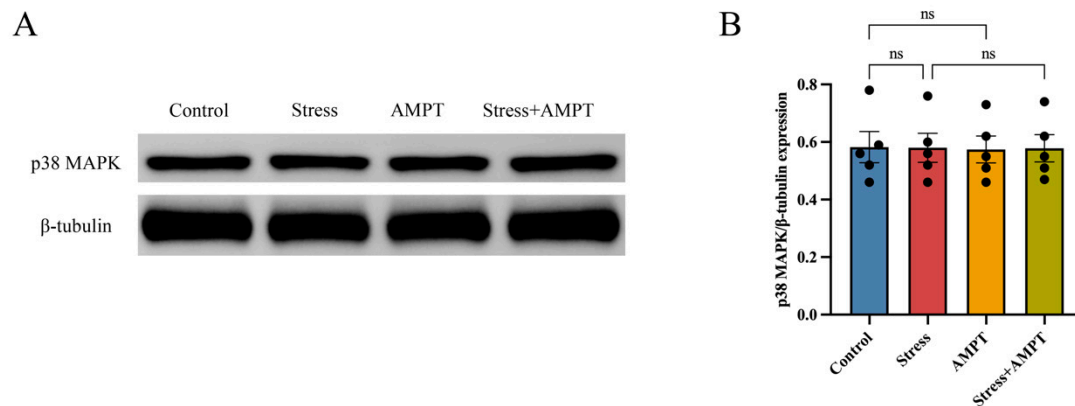
Supplementary Figure S1. Representative BLA neuron transmission electron microscopy images of rats under different stress durations ($n = 5$ per group). Scale bar from left to right: 5 μm ; 1 μm . BLA: basolateral amygdala.

1.2 Supplementary Figure S2



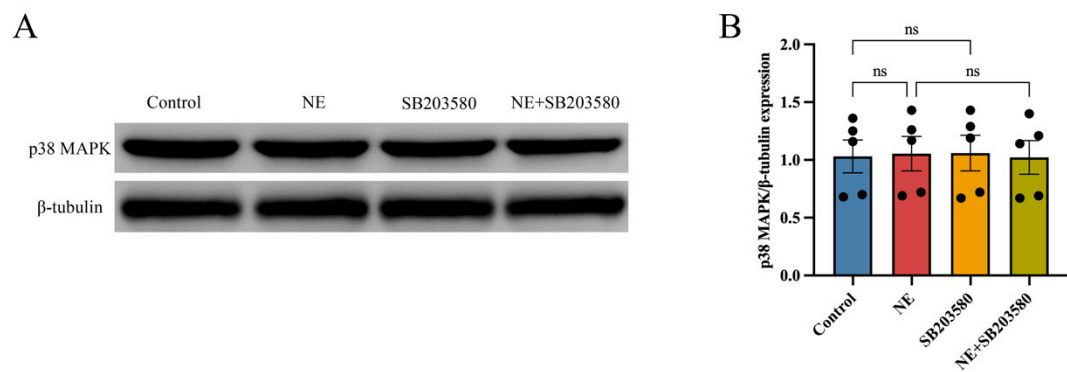
Supplementary Figure S2. Rat amygdala astrocyte culture and identification: (A) Morphological characteristics of rat amygdala astrocytes. Scale bar: 100 μm ; and (B) Representative immunofluorescent images of GFAP (green) and DAPI (blue) in the cultured astrocytes. Scale bar from left to right: 75 μm ; 25 μm . GFAP: glial fibrillary acidic protein.

1.3 Supplementary Figure S3



Supplementary Figure S3. Expression of p38 MAPK protein levels in stressed rat BLA: (A) The expression of p38 MAPK detected by Western blot; and (B) Results expressed as grayscale ratio of p38 MAPK to β -tubulin ($n = 5$ per group). Data presented as mean \pm SEM. ns, no significance. p38 MAPK: p38 mitogen-activated protein kinase; AMPT: alpha-methyl-p-tyrosine; BLA: basolateral amygdala.

1.4 Supplementary Figure S4



Supplementary Figure S4. Expression of p38 MAPK protein levels in cultured astrocytes: (A) The expression of p38 MAPK was detected by Western blot; and (B) Results expressed as grayscale ratio of p38 MAPK to β-tubulin (n = 5 per group). Data presented as mean ± SEM. ns, no significance. p38 MAPK: p38 mitogen-activated protein kinase; NE: norepinephrine.