ERRATUM

Erratum to: LncRNA-N1LR Enhances Neuroprotection Against Ischemic Stroke Probably by Inhibiting p53 Phosphorylation

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The original paper of this article unfortunately contains mistakes.

In Fig. 4c, the northern blot analysis validated the size of the lncRNA-N1LR. When we performed the northern blot analysis, all the RNA bands from different samples appeared to be in the same size, which were consistent with the result of the RACE. However, in these results, there was a band that was brighter than others, and we guessed the sample from this brighter band was polluted by the sample overexpressing N1LR. Unfortunately, this brighter band mistakenly appeared in Fig. 4c. So we would like to present the correct Fig. 4c.

In addition, the TTC stained image of “siRNA-NC” in Fig. 6c was mistakenly replaced by another image from the sample of the mouse suffering 1.5 h of MCAO and 24 h of reperfusion. With this, the correct Fig. 6c is hereby presented.

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Fig. 4 Information about lncRNA-N1LR. **a** The genomic location of lncRNA-N1LR. lncRNA-N1LR is located on chromosome 9 in mice and shares an overlapping sequence with the 5' UTR of *Nck1*. siRNA was designed to target the region of lncRNA-N1LR outside of the overlapping sequence with 5' UTR of *Nck1*. **b** The full-length sequence of lncRNA-N1LR obtained by RACE analysis. Agarose gel electrophoresis and the sequencing of the PCR product from the 5'-RACE and 3'-RACE procedure revealed a putative transcriptional start and end site of lncRNA-N1LR. The nucleotide sequence of the full-length lncRNA-N1LR is given below. **c** Northern blot analysis showed the length of the lncRNA-N1LR fragment in the cortex of mice subjected to I/R-induced injury

Fig. 6 lncRNA-N1LR ameliorates ischemic brain injury in vivo. **a** Changes in lncRNA-N1LR expression in the corresponding location of the ischemic penumbra in mice. **b** Quantitative analysis of neurobehavioral scores in mice. The error bar represents the maximum (*upper*) and the minimum (*lower*) score. **c, d** Representative images showing TTC-stained brain sections (**c**) and the quantitative analysis of brain infarct volume in mice following 2 h of MCAO and 24 h of reperfusion (**d**). **e** A diagram of the brain sections. An infarct area is shown as a *stippled area*. The *black box* represented the region used for histological analysis. **f, g** Apoptosis in the ischemic penumbra was analyzed by TUNEL staining. Representative images showed TUNEL-positive cells in tissues from the different groups (**f**) and quantitative analysis indicated that siRNA-N1LR enhanced apoptosis and that Ad-N1LR significantly decreased apoptosis in mouse cortical neurons (**g**). **h, i** Representative images showing Nissl staining to determine neural cell loss in the ischemic penumbra (**h**) and the quantitative analysis of the effect of lncRNA-N1LR on neural cell loss (**i**). The data represent the mean $\pm$ SEM. * $P < 0.05$ and ** $P < 0.01$ versus Sham; # $P < 0.05$ and ## $P < 0.01$ versus normal saline; ^a $P < 0.05$ and ^{aa} $P < 0.01$ versus siRNA-NC or Ad-NC. $N = 5$ per group