EXPRESSION OF CONCERN

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Homocysteine induces mitochondrial dysfunction and oxidative stress in myocardial ischemia/reperfusion injury through stimulating ROS production and the ERK1/2 signaling pathway

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Subsequently to the publication of the above article, a concerned reader has drawn the Editor's attention to the fact that an inappropriately selected antibody was reported to have been used to probe for phosphorylated ERK (or p-ERK) in the western blot experiments shown in Figs. 1 and 3: The catalogue number for the antibody was reported in the Materials and methods section to have been ab192591 (purchased from Abcam), whereas this antibody does not target p-ERK, but protein kinase RNA-like ER kinase (also known as EIF2AK3), having the acronym 'PERK'. In addition, an independent analysis of the data in this paper performed by the Editorial Office revealed that certain of the western blot data shown in Fig. 3 on p. 942 bear a close resemblance to western blot data that have subsequently appeared in other papers in different journals that were written by different authors at different research institutes.

The authors have been contacted by the Editorial Office to offer an explanation for the apparently incorrect selection of an antibody in this paper, and we are awaiting their response. Owing to the fact that the Editorial Office has been made aware of a potential issue surrounding the scientific integrity of this paper, we are issuing an Expression of Concern to notify readers of these potential problems while the Editorial Office continues to investigate this matter further.