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Translational perspectives

PLB, the reversible inhibitor of SERCA2A, is of critical importance for the SR Ca²⁺ sequestration thereby the excitation–contraction coupling of myocytes and myocardial remodelling. The activity of PLB could be inhibited by β 1-AR-cAMP-PKA pathway through PKA-mediated protein phosphorylation. The present study demonstrated that HuR is able to modulate cardiac remodelling by regulating the expression of PLB and β 1-AR. These findings reveal novel mechanisms controlling myocardial remodelling and may provide new clues for strategies to interfere cardiac remodelling-related heart disorders in humans.

Corrigendum

doi:10.1093/cvr/cvz293
Online publish-ahead-of-print 12 November 2019

Corrigendum to: Transcription factor Krüppel-like factor 2 plays a vital role in endothelial colony forming cells differentiation [*Cardiovasc Res* 2013;**99**:514–524]

In the originally published version of this article there was an error in Figure 5. This has now been corrected.