

ONLINE SUPPLEMENT

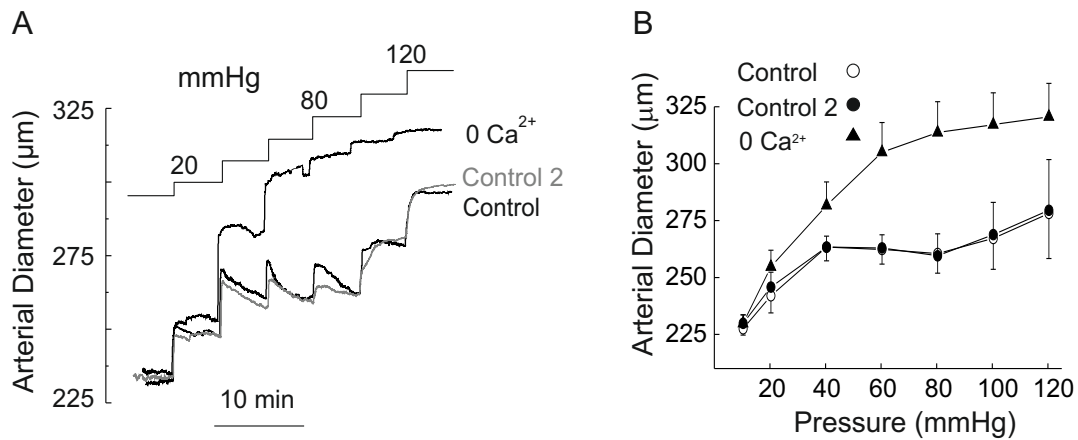


Figure 1. Lack of time-dependent change in myogenic response of RGAs.

Representative pressure-evoked changes in arterial diameter (A) and mean diameter (\pm SEM)-pressure relations (B; $n = 3$) for pressure elevation to between 10-120 mmHg under control conditions (normal Krebs' saline Control and Control 2) and zero Ca²⁺ saline (0 Ca²⁺). * Significantly different ($P < 0.05$) from control value.

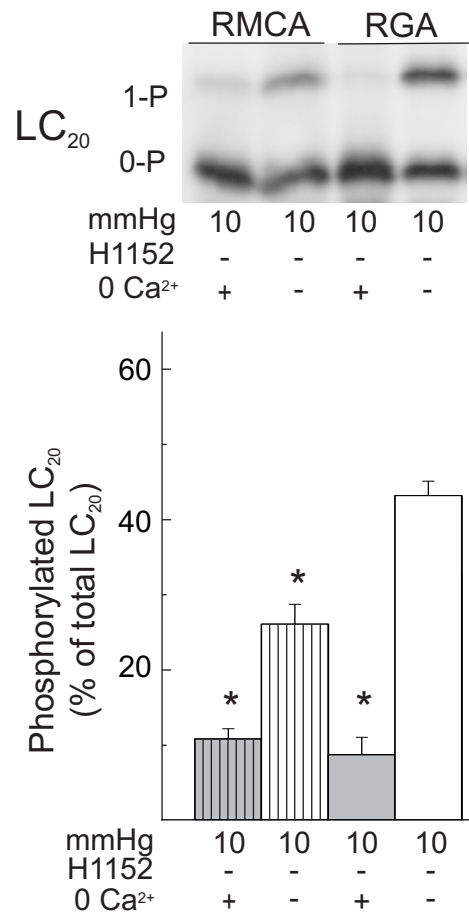


Figure 2. Basal LC₂₀ phosphorylation is lower in cerebral than skeletal muscle arteries. Representative western blot (upper) and mean level \pm SEM of phospho-LC₂₀ (pLC₂₀; lower) as a % of total LC₂₀ at 10 mmHg (\pm 0 Ca²⁺) (n = 4 for RMCAs and n = 7 with 1-2 arterial segments per sample for RGAs). Monophosphorylated and unphosphorylated LC₂₀ were separated by Phos-tag SDS-PAGE. * indicates significant difference ($P < 0.05$) from value in RGAs in the presence of Ca²⁺ (note: the RGA data at 10 mmHg in the presence of Ca²⁺ are from the blot in Fig. 4). These analyses of RGAs and RMCAs were carried out simultaneously to enable direct comparison of phospho-LC₂₀ content in the two tissues.