

## **ANNEXIN A1 DEFICIENCY IN VIVO DOES NOT AFFECT MYOFIBER REPAIR BUT DELAYS REGENERATION OF INJURED MUSCLES**

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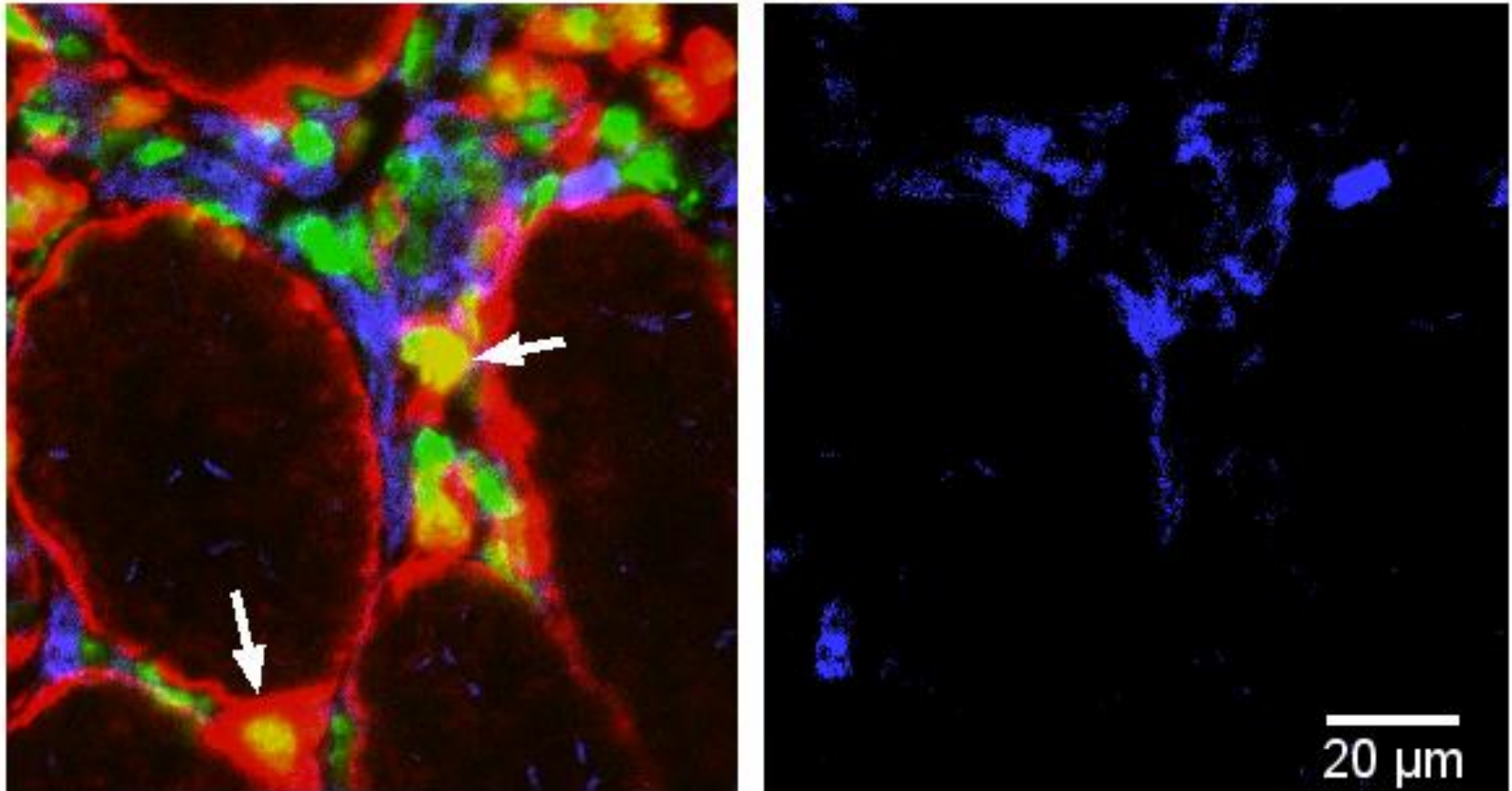
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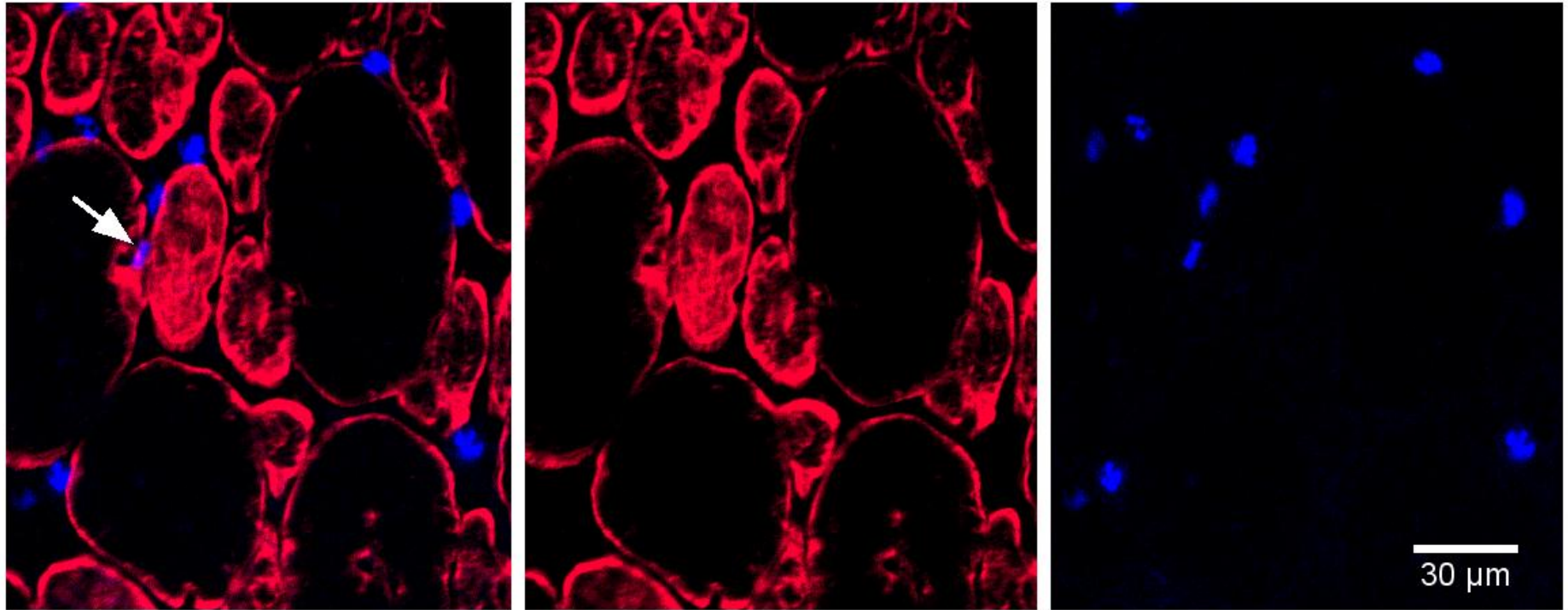
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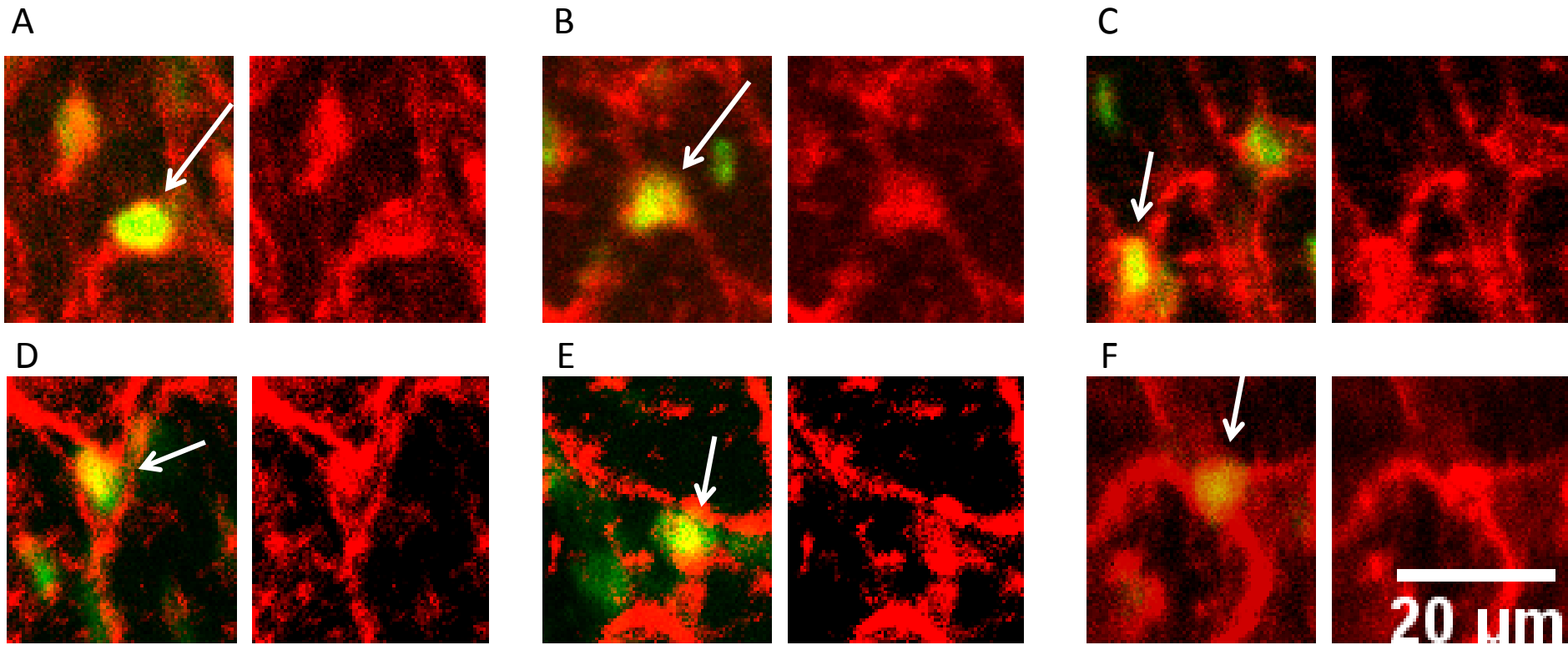
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Supplementary Figure 1. Macrophages in the unregenerated regions detected by macrophage F4/80 antibody (blue) are not recognized by desmin antibody (red) and BrdU-antibody (green) arguing against significant contribution of macrophages to the population of desmin-labeled cells. Arrows show desmin-positive, BrdU-positive cells that are not labeled by F4/80. Unregenerated region of the muscle section of w.t. mouse at the 3<sup>rd</sup> day post-injury. Scale bar 20 $\mu$ m.



Supplementary Figure 2. Muscle section from w.t. mice taken 5 days after injury labeled with two markers of myogenic regeneration: Myf5 antibodies (blue) and desmin antibodies (red). Arrow marks desmin-positive Myf5-positive cell. Scale bar 30 $\mu$ m.



Supplementary Figure 3. Identification of unfused myoblasts (marked by arrows) as mononucleated desmin-positive (red), BrdU-positive (green) cells located at the surface of myofibers. All 6 examples are taken from regenerating regions of the muscle sections from w.t. mice 5 days after injury. Scale bar 20 $\mu$ m.