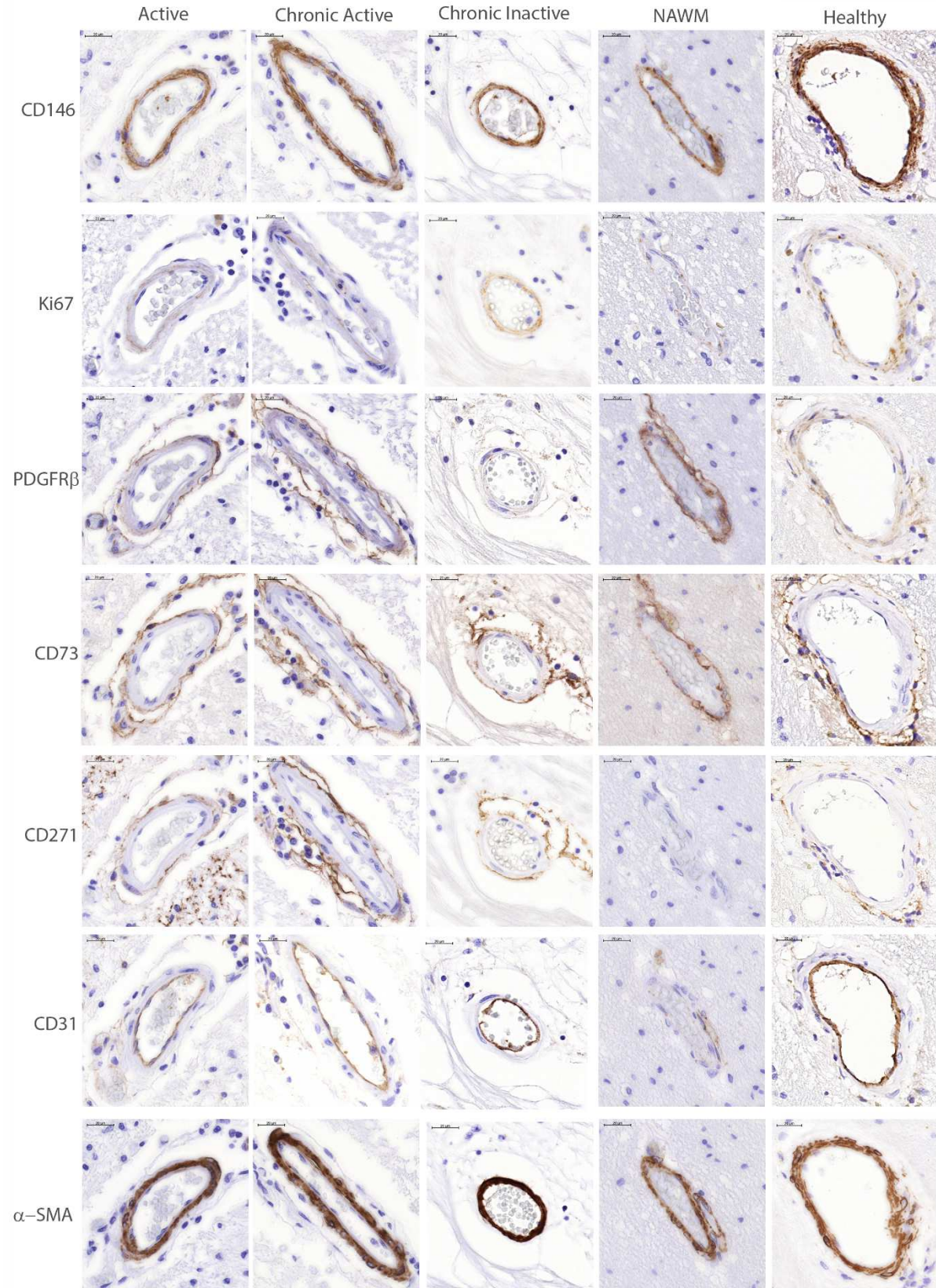


Dynamic Changes in Brain Mesenchymal Perivascular Cells Associate with Multiple Sclerosis Disease Duration, Active Inflammation, and Demyelination.

Iacobaeus, Sugars et al.

EPMS and Healthy



Supplementary Figure 2. Localization of all mesenchymal stromal cell (MSC)/pericyte markers (CD146, platelet-derived growth factor receptor beta (PDGFR β), CD73, and CD271), cell proliferation (Ki67), CD31 and alpha-smooth muscle actin (α -SMA) in the early progressive multiple sclerosis (EPMS) cohort across the active, chronic active, chronic inactive lesions and normal appearing white matter (NAWM), and in healthy brain tissue. MSC/pericyte markers localized to the perivascular regions in the adult human brain in chronic active regions lesions from EPMS and healthy tissues. MSC markers, CD73, CD271 and PDGFR β were found typically within the adventitial layer, whereas pericyte markers CD146 and PDGF β were localized abluminally to endothelial cells. Scale bars = 20 μ m.