



### Additional File 3

**a**) Immunocytochemistry-based assay of fluorescently-labeled A $\beta$ 40 (Hilyte 488-A $\beta$ 40) uptake of pericytes upon IPA3 or RAP treatment. (Scale bar 10  $\mu$ m). **b**) 96-well plate assay of fluorescently-labeled A $\beta$ 40 uptake of pericytes upon IPA3 or RAP treatment. **c**) Treatment of pericytes with mouse A $\beta$ 40 and detection of A $\beta$ 34 with a human specific (6E10) or mid-domain (4G8) antibody which can detect both mouse and human A $\beta$ .