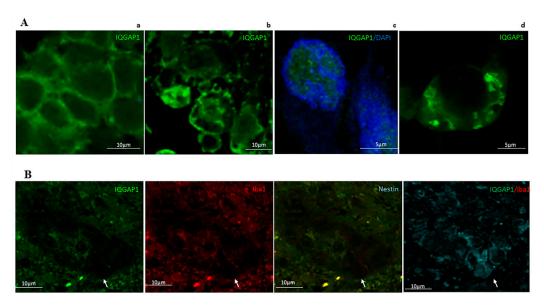
## Supplementary Materials: IQGAP1 in Podosomes/Invadosomes Is Involved in the Progression of Glioblastoma Multiforme Depending on the Tumor Status

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**Figure S1.** (**A**) Higher magnification of Figure 1A–D. IQGAP1 protein in GBM detected in: (**a**) plasma membrane; (**b**) cell protrusions, plasma membrane and cytosol; (**c**) nucleus; and (**d**) cell with podosome-like structures highly positive for IQGAP1; (**B**) Higher magnification of Figure 2K–O. Triple immunolocalization of IQGAP1 protein (green), Iba1 (red) and nestin (cyan). Arrow points to a nestin<sup>+</sup>/IQGAP1-/Iba1- cell flanked by nestin<sup>+</sup>/IQGAP1+/Iba1+ cells.

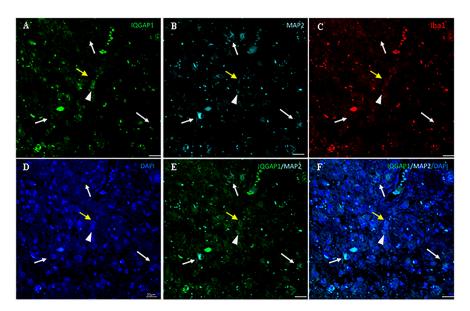
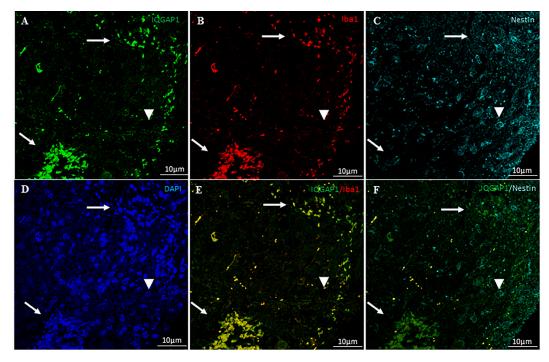


Figure S2. Triple immunolocalization of IQGAP1 protein (green), the microglia/macrophage marker Iba1 (red) and the Microtubule-associated protein 2 (MAP2, cyan) in GBM tissue sections. (A) IQGAP1; (B) MAP2; (C) Iba1; (D) DAPI; (E) IQGAP1/MAP2 merge; (F) IQGAP1/MAP2/DAPI merge. White arrows point to Map2+ neurons IQGAP1-/Iba1-. Yellow arrows points to a cell IQGAP1+/Iba1+. Arrowhead points a cell IQGAP1+/nestin+. Bar 20 μm.



**Figure S3.** Triple immunolocalization of IQGAP1 protein (green), the microglia/macrophage marker Iba1 (red) and the CSC marker nestin (cyan). (**A**) IQGAP1; (**B**) Iba1; (**C**) Nestin; (**D**) DAPI; (**E**) IQGAP1/Iba1 merge; (**F**) IQGAP1/Nestin merge. In this highly vascularized area of a GBM tissue section, many nestin+ cells are observed (arrowhead). Note the massive presence of macrophages (Iba1+/IQGAP1+/nestin-) in the periphery (arrows). Scale bar: 10 μm.

**Table S1**. IQGAP1/PCNA, IQGAP1/GFAP and IQGAP1/Iba1 colocalization. Mean and standard deviation of values obtained with the ImageJ plug-in "Mander's coefficients".

	п	R	Ch1/Ch2	M1	M2	Ch1 Thresh, Ch2 Thresh
Ch1 = GFAP Ch2 = IQGAP1	27	$0.59 \pm 0.05$	$0.995 \pm 0.02$	$0.969 \pm 0.02$	0.971 ± 0.01	1;255
Ch1 = PCNA Ch2 = IQGAP1	20	$0.677 \pm 0.13$	$0.750 \pm 0.29$	$0.851 \pm 0.14$	$0.739 \pm 0.20$	1;255
Ch1 = Iba1 Ch2 = IQGAP1	14	$0.84 \pm 0.04$	$0.801 \pm 0.15$	$0.954 \pm 0.04$	$0.835 \pm 0.09$	1;255

n = samples analyzed. R = Mander's Overlap coefficient. Value Range: 0–1, with 0 = low colocalization and 1 = high colocalization; Ch1/Ch2 = red/green pixel ratio. Ratio  $\approx$  1 allows the use of Mander's Overlap coefficient (R); M1, M2 = Mander's Colocalization coefficients for channel 1 (M1) and channel 2 (M2). Value range: 0–1, with 0 = no colocalization 1 = all pixels colocalize; Ch1 thresh, Ch2 thresh = ch1 and ch2 threshold.