

Supplementary Figure legends:

Supplementary Figure 1: Representative malignant (CA) and benign (BE) tissue cores of two patients with low and high Robo 4 and Slit 2 expression, scale bar = 100 μm .

Supplementary Figure 2: Representative pictures of CD31 expression in malignant (CA) and benign (BE) tissue cores of patients with low and high grade prostate cancer, scale bar = 100 μm .

Supplementary Figure 3:

Robo 4 mRNA expression using qRT-PCR after A) upregulation and B) downregulation of Robo 4; C) Protein expression (Western blot) after Robo 4 overexpression in PC3 cells. Data represent mean + SEM from at least 3 independent experiments, * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$.

Supplementary Figure 4: Apoptosis (flow cytometry) measurements of PC3 after (A) Robo 4 knockdown and (B) overexpression. Data represent mean + SEM from at least 3 independent experiments; ns = not significant.

Robo 4

Slit 2

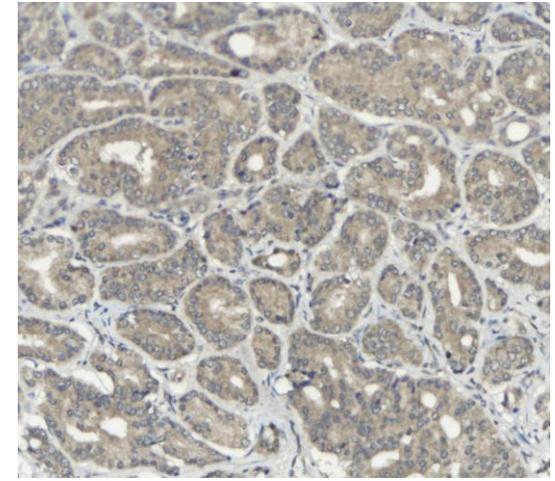
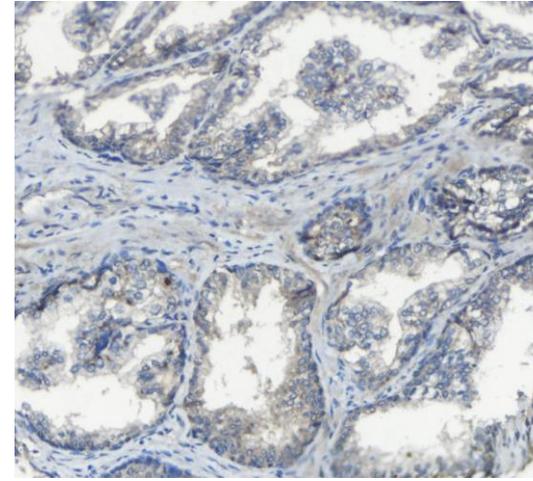
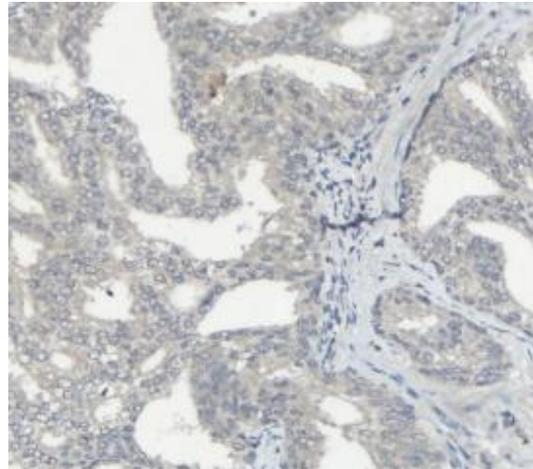
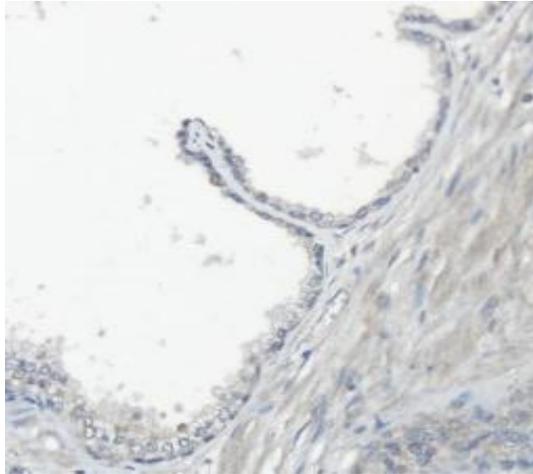
Benign

Cancer

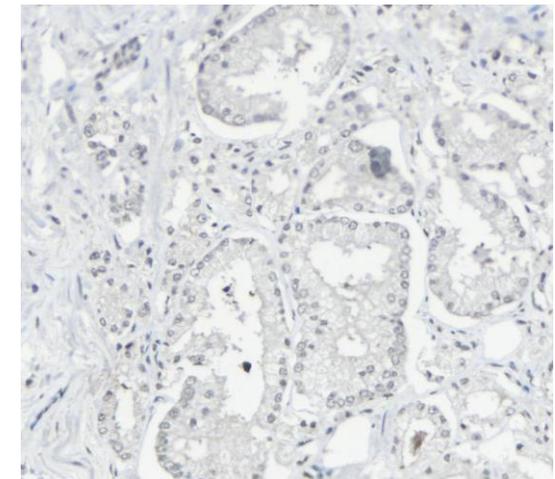
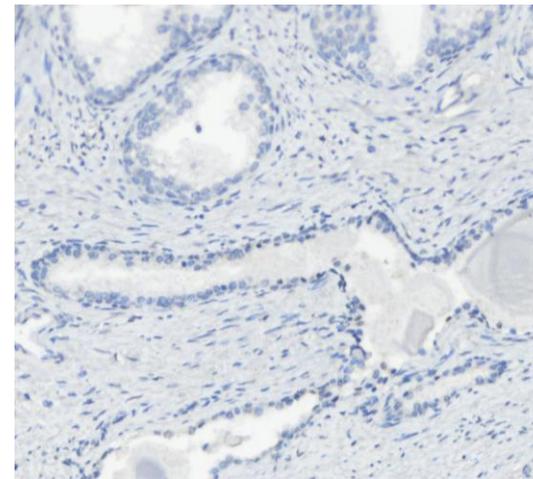
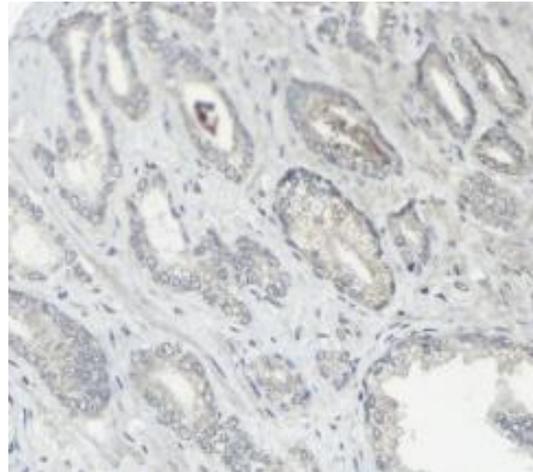
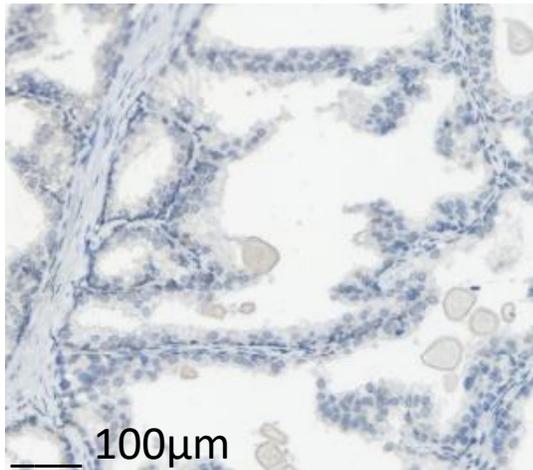
Benign

Cancer

high grade PCa



low grade PCa



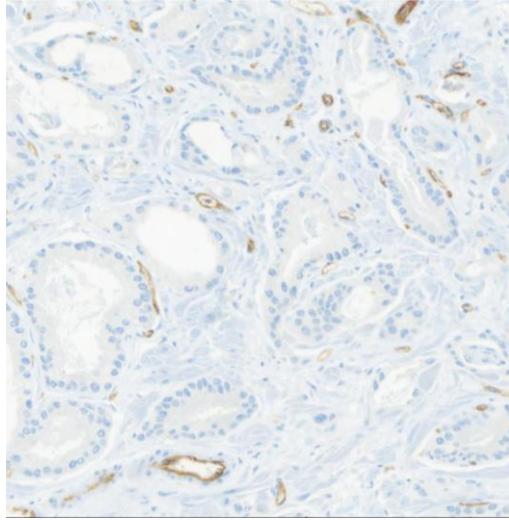
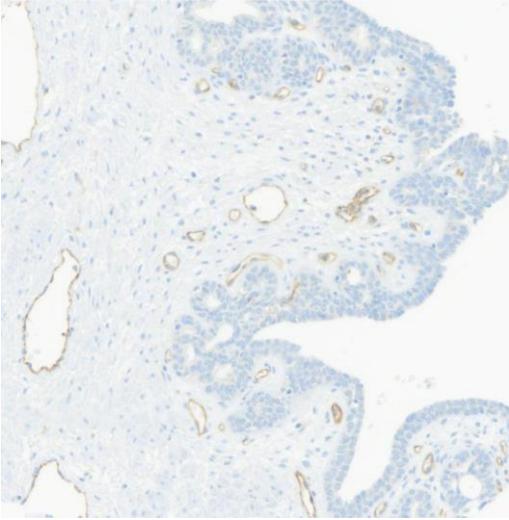
100µm

CD 31

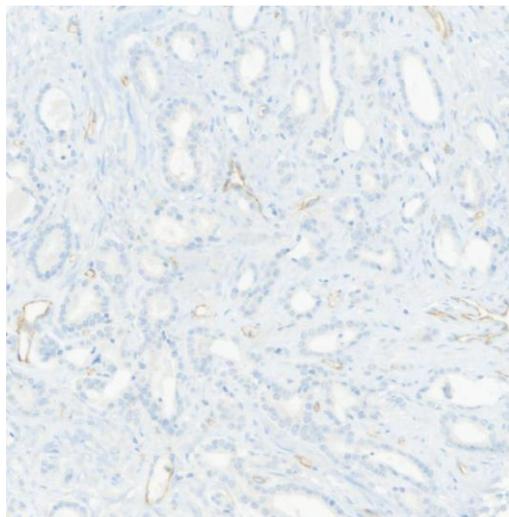
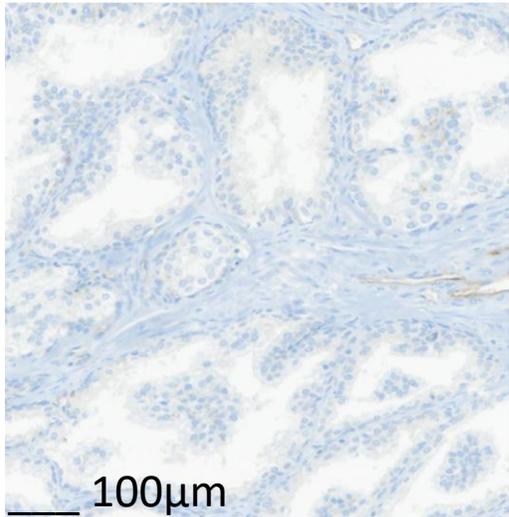
Benign

Cancer

high grade PCa



low grade PCa



100µm

