**Supplementary Figure S1.**



**Supplementary Figure S1**. **IHC scoring and negative control.** **(A)** Representative CCA examples of negative and positive staining of CD44v9 (A-E), S100P (F-J) and COX-2 (K-O) by scoring range as follow: 0 for no staining (A, F, K), 1+ for weak staining (B, G, L), 2+ for moderate staining (C, H, M), 3+ for strong staining (D, I, N), 4+ for very strong staining (E, J, O). **(B)** Representative CCA examples of tissue staining without primary antibodies. CCA tissues were stained with only secondary antibodies (VECTASTAIN Elite ABC HRP Kit), including rabbit anti-rat IgG for CD44v9 (PK-6104), goat anti-rabbit IgG for S100P (PK-6101) and rabbit anti-goat IgG for COX-2 (PK-6105).