Figure S1. Expression levels of Crb3 in tissues from patients with OSCC were analyzed by immunohistochemistry. The absorption test of the anti-Crb3 antibody was performed in parallel using a synthetic epitope peptide. Serial sections of primary OSCC tissues of the tongue (top), gingiva (middle) and oral floor (bottom) were stained with hematoxylin and eosin (left), anti-Crb3 antibody (center) or pre-absorbed anti-Crb3 antibody (right). The paired images of SCC tissues and the adjacent non-neoplastic tissues were acquired from the same specimens. Crb3, crumbs3; HE, hematoxylin and eosin; OSCC, oral squamous cell carcinoma; SCC, squamous cell carcinoma.



Figure S2. Expression levels of Crb3 in neck lymph node metastatic lesions and paired primary tumor tissues from patients with OSCC were evaluated by immunohistochemistry. The absorption test of the anti-Crb3 antibody was performed in parallel using the Crb3 peptide. Serial sections of primary OSCC tissues of the tongue (top), gingiva (middle) and oral floor (bottom) were stained with hematoxylin and eosin (left), anti-Crb3 antibody (center) or pre-absorbed anti-Crb3 antibody (right). Crb3, crumbs3; HE, hematoxylin and eosin; OSCC, oral squamous cell carcinoma.



Figure S3. Representative microscopic images acquired to analyze Transwell cell migration assays. Migratory cells on the basal surface of Transwell membranes were stained with Hoechst 33342. Images for data in (A) Fig. 2D, (B) Fig. 2G, (C) Fig. 3B, (D) Fig. 3F, (E) Fig. 5C and (F) Fig. 5G. Scale bar, 100 μ m. si/siRNA, small interfering RNA; Crb3, crumbs3; WT, wild-type; CKO, Ca9-22 crumbs3-knockout clone; HKO, HSC-2 crumbs3-knockout clone; DMSO, dimethyl sulfoxide.

