Supplementary Data

Figure S3
Figure S3. HAb18G/CD147 knock-down efficiency and function validation.

(A) HAb18G/CD147 mRNA expression in PANC-1, MIA Paca-2 and HEK293 before and after knock-down or knock-in of this gene. Expression values are expressed as mean±SD of three independent experiments.

(B) HAb18G/CD147 protein expression in PANC-1, MIA Paca-2 and HEK293 before and after knock-down or knock-in of this gene.

(C) Cell invasion assay in PANC-1 and HEK293 before and after knock-down or knock-in of HAb18G/CD147. The photomicrographs on the left show the representative fields of invaded cells. Efficiency of the knock-down was confirmed by immunoblot analysis (bottom). ***P<0.001 as compared with NTC or EGFP control. LG, low glycosylated CD147; HG, high glycosylated CD147; NT, no treatment; NTC, non-target shRNA control; A6 & A10, CD147 shRNA.

(D) CD147 protein levels in a panel of human pancreatic cancer cells PANC-1, L3.6pL, and others cancer cell lines such as liver cancer cell lines HepG2, Hep3B, SMMC7721, MHCC97H, and prostate cancer cell line PC-3, using shRNA vector pGIPZ or pLKO.