Basal levels of zo-1, zeb-1, N-cadherin, E-cadherin, β-catenin, vimentin, slug, snail and claudin-1 in ovarian cancer cells
Background stain of isotype control in A2780 and OVCAR-3. Cells were visualized by a fluorescence microscope equipped with a camera (model IX71; Olympus) with a × 60 objective lens and Cell^A (version 3.1) Olympus software imaging.
(A) OVCAR-3 and (B) A2780 cells were treated with 1 nM T3 or 100 nM T4 for 2 h, followed by fixation, permeabilization and labeling with primary antibodies against beta catenin (green) and a nuclear dye (Hoechst, blue). Cells were visualized by a fluorescence microscope equipped with a camera (model IX71; Olympus) with a ×60 objective lens and Cell^A (version 3.1) Olympus software imaging.
Supplemental Figure 4

(A) OVCAR-3 and (B) A2780 cells were treated with 1 nM T3 or 100 nM T4 for 2 h, followed by fixation, permeabilization and labeling with primary antibodies against vimentin (green) and a nuclear dye (Hoechst, blue). Cells were visualized by a fluorescence microscope equipped with a camera (model IX71; Olympus) with a × 60 objective lens and Cell^A (version 3.1) Olympus software imaging.
(A) OVCAR-3 and (B) A2780 cells were treated with 1 nM T3 or 100 nM T4 for 2 h, followed by fixation, permeabilization and labels with primary antibodies against zeb-1 (green) and a nuclear dye (Hoechst, blue). Cells were visualized by a fluorescence microscope equipped with a camera (model IX71; Olympus) with a × 60 objective lens and Cell^A (version 3.1) Olympus software imaging.
Transcriptional effect by T3 or T4 on EMT genes in ovarian cancer. OVCAR-3 and A2780 cell lines were treated with T3 (1 nM) or T4 (100 nM) for short (1-4 h) or long (24 h) incubation periods, after which RNA was extracted, reverse-transcribed and analyzed for the mRNA levels of (A) zeb-1 (B) b-catenin (C) vimentin and (D) slug by real-time PCR. Experiments were repeated at least twice in triplicate and are presented (average ± STDEV) as -fold of control, with the latter assigned a value of 1± STDEV by definition. *p<0.05 by t-test.
Transcriptional effect by T3 or T4 on EMT genes in ovarian cancer. OVCAR-3 and A2780 cell lines were treated with T3 (1 nM) or T4 (100 nM) for short (1-4 h) or long (24 h) incubation periods, after which RNA was extracted, reverse-transcribed and analyzed for the mRNA levels of (A) N-cadherin (B) E-cadherin (C) Zo-1 (D) Caludin-1 and (E) snail, by real-time PCR. Experiments were repeated at least twice in triplicate and are presented (average ± STDEV) as -fold of control, with the latter assigned a value of 1± STDEV by definition. *p<0.05 by t-test.
Supplemental Figure 8

OVCAR-3 cells were incubated overnight with increasing concentrations of RGD or functional blocking αvβ3 antibody, total proteins were extracted and Western blot analysis for the levels of zeb-1, β-catenin, vimentin and slug was performed.