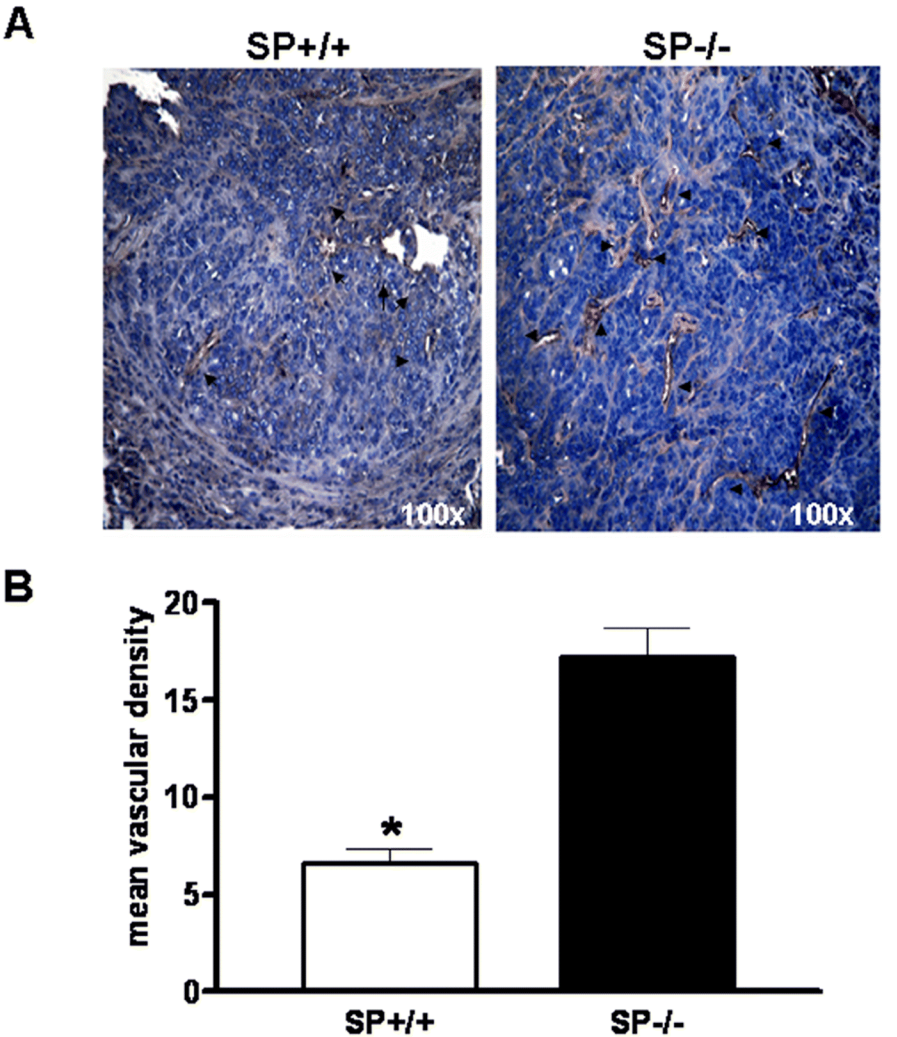
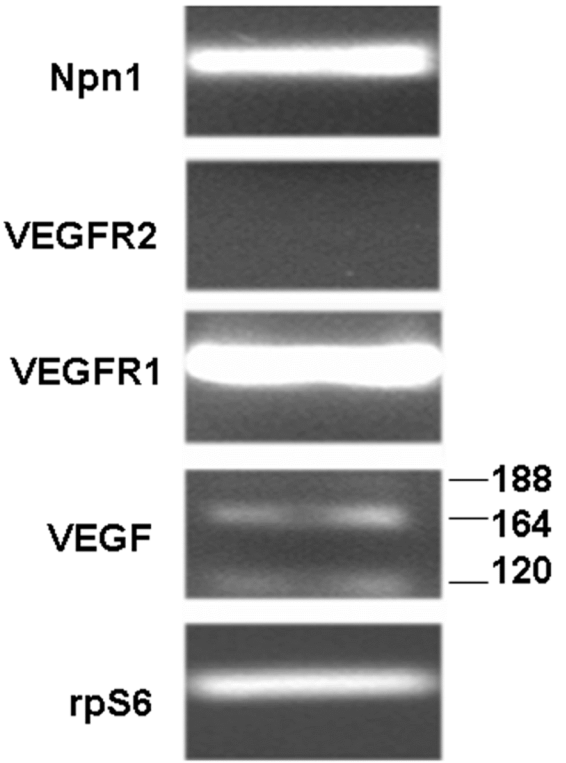
Supplemental Figure Legend

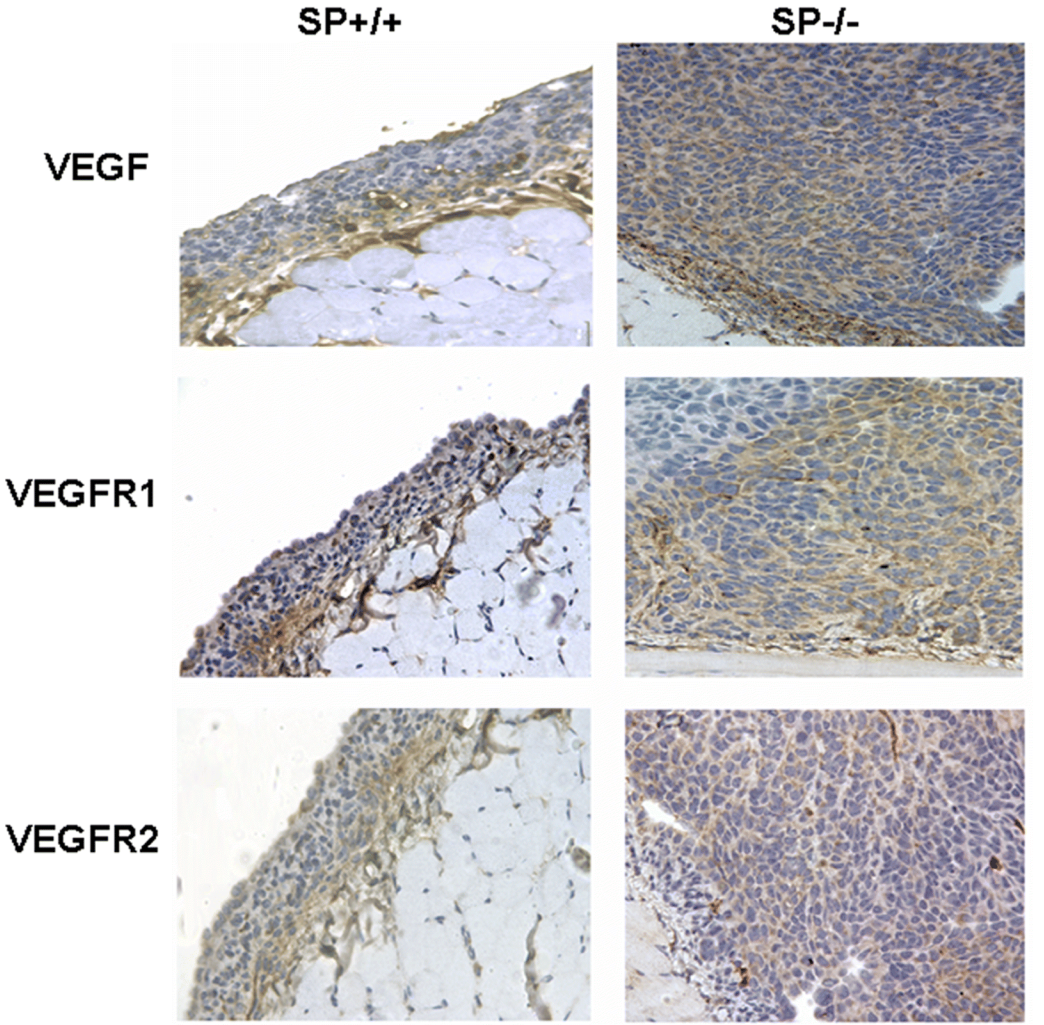
Supplement Figure 1. Increased mean vascular density (MVD) in tumors implanted in *SP*$^{-/-}$ mice. ID8 cells (10^6 cells/0.5 ml PBS) were injected subcutaneously in the flank of *SP*$^{-/-}$ and *SP*$^{+/+}$ mice. Tumor growth was monitored for 10 weeks, at the end of which tumors were excised and processed for immunostaining using rat anti-mouse CD31 endothelial marker (A). The MVD of the tumors were determined by counting CD31-positive areas in 10 fields/serial tumor sections from 5 animals *per* group (B). The results are expressed as the mean ± SEM (*P<0.05).

Supplement Figure 2. ID8 cells express VEGF and VEGFRs. The steady state expression of VEGF and VEGF receptors was assessed in ID8 cells by semi-quantitative RT-PCR. ID8 cells express VEGF isoforms (mainly VEGF164 and to a lesser extent VEGF122 and 180), VEGFR1 (flt-1), and neuropilin-1 (Npn1). VEGFR2 (flk-1) was not detected. The results shown are representative of 3 independent experiments.

Supplement Figure 3. **Augmented expression of VEGF and VEGFRs in ID8 intraperitoneal tumors.** Immunostaining of peritoneal tumor sections from *SP*$^{+/+}$ and *SP*$^{-/-}$ animals revealed that VEGF is highly expressed in *SP*$^{-/-}$, compared to *SP*$^{+/+}$ tumors. Similarly, the expression of VEGFR1 and VEGFR2 was more abundant in *SP*$^{-/-}$, in the cytoplasm as well as cell surfaces (magnification 400x). Staining results shown are representative of at least 3 randomly-selected areas from serial sections of tumors from 3 different animals.


A
SP+/+
SP-/-
100x
100x
B
mean vascular density
20
15
10
5
0
*
SP+/+
SP-/-


Npn1
VEGFR2
VEGFR1
VEGF
188
164
120
rpS6


SP+/+
SP-/-
VEGF
VEGFR1
VEGFR2