Supporting Information

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Fig. S1. Parental and RNASET2-silenced OVCAR3-derived tumor sections were stained with cytokeratin 7 (A and B) and activated caspase 3 (C and D) as markers for cell differentiation and apoptosis, respectively.



Fig. S2. Relative expression levels of murine markers for M1 (Tnf, Cxcl-10, and Il-12) or M2 (Ccl-17, Ccl-22, and Arg-1) macrophage polarization in OVCAR3derived control and RNASET2-silenced tumor xenografts were detected by real-time quantitative PCR. The expression level in control samples was set as 1 for reference. Expression data were normalized by using the murine *Gapdh* gene as a reference.



Fig. S3. (Continued)



Fig. S3. Gene Ontology analysis results for the enriched "biological process" entries for human (A) and murine (B) genes following analysis of OVCAR3 xenograft gene expression profile obtained by microarray hybridization.

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Table S1. Histological and IHC data from RNASET2-silenced and control tumor xenografts

OVCAR3 clone	Growth pattern*	Cell morphology	Mitotic index [†]	Ki-67	CK7 [‡]	Apoptosis⁵	CD45 [§]	CD68⁵	NOS-1 ^⁵	Dectin 1 [§]	RNASET2 expression
Sh RNASET2 clone 1	Diffuse/solid nests	L, P	28	40	_	1+	1+	1+	1+	+/-	Negative
Sh RNASET2 clone 7	Diffuse/solid nests	L, P	26	35	+	2+	1/2+	_	+/-	1+	Negative
Sh RNASET2 clone 7	Diffuse/solid nests	L, P	35	50	+	1+	1+	1+	+/-	1/2+	Negative
Sh RNASET2 clone 11	Diffuse	L, P	32	45	+	2+	2+	1+	_	2+	Negative
Sh scrambled clone 5	Nests/micronests	L, P, C	23	30	+	3+	2+	2+	2+	1/2+	Positive
Sh scrambled clone 5	Nests	L, P, C	14	25	++	2+	2/3+	1/2+	2+	2/3+	Positive
Sh scrambled clone 11	Nests/micronests	L, A	16	40	+++	2+	3+	2+	1/2+	2+	Positive
Sh scrambled clone 11	Solid nests	L, C	25	25	+ +	2+	2+	2+	3+	2/3+	Positive
Sh scrambled clone 3	Solid nests	L, A, C	22	30	+ +	3+	3+	2+	3+	2+	Positive

A, angulated; C, clear; IHC, immunohistochemistry; L, large; P, polygonal.

*Indicates tumor structure, namely diffuse and/or forming nests/micronests. When both patterns were present, the former is the prevailing type. [†]Number of mitotic figures 10× high-power fields.

*-, absent; +, few cells stained; ++, moderate number of cells stained; +++, many cells stained.

§-, absent; 1+, scant; 2+, moderate; 3+, abundant.

Other Supporting Information Files

Dataset	S1	(XLS)
Dataset	S 2	(XLS)
Dataset	S 3	(XLS)
Dataset	S 4	(XLS)
Dataset	S 5	(XLS)

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