

## Accepted Manuscript

Targeting heparanase to the mammary epithelium enhances mammary gland development and promotes tumor growth and metastasis

Ilanit Boyango, Uri Barash, Liat Fux, Inna Naroditsky, Neta Ilan, Israel Vlodavsky

PII: S0945-053X(17)30165-8  
DOI: doi:[10.1016/j.matbio.2017.08.005](https://doi.org/10.1016/j.matbio.2017.08.005)  
Reference: MATBIO 1355

To appear in: *Matrix Biology*

Received date: 20 June 2017  
Revised date: 3 August 2017  
Accepted date: 30 August 2017



Please cite this article as: Boyango, Ilanit, Barash, Uri, Fux, Liat, Naroditsky, Inna, Ilan, Neta, Vlodavsky, Israel, Targeting heparanase to the mammary epithelium enhances mammary gland development and promotes tumor growth and metastasis, *Matrix Biology* (2017), doi:[10.1016/j.matbio.2017.08.005](https://doi.org/10.1016/j.matbio.2017.08.005)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Targeting heparanase to the mammary epithelium enhances mammary gland development and promotes tumor growth and metastasis**

Ilanit Boyango<sup>1</sup>, Uri Barash<sup>1</sup>, Liat Fux<sup>1</sup>, Inna Naroditsky<sup>2</sup>, Neta Ilan<sup>1</sup>, and Israel Vlodavsky<sup>1\*</sup>

<sup>1</sup>Cancer and Vascular Biology Research Center, the Bruce Rappaport Faculty of Medicine, Technion, Haifa 31096, Israel; <sup>2</sup>Department of Pathology, Ramabm Health Care Campus, Haifa, Israel

**Key words:** Heparanase, mammary gland, development, signaling, tumorigenesis

**Conflict of interest:** The authors have no potential conflict of interest to declare.

Authors' contribution:

Conception and design: IV, NI

Development of methodology: IB, UB, LF, NI

Acquisition of data: IB, UB, LF, NI

Analysis and interpretation of data: IB, LF, UB, NI, IV, IN

Writing, review, and/or revision of the manuscript: IB, NI, IV

Study supervision: IV

\*To whom correspondence should be addressed:

Israel Vlodavsky

Cancer and Vascular Biology Research Center

Bruce Rappaport Faculty of Medicine

Technion, P. O. Box 9649, Haifa 31096, Israel

Phone: 972-4-8295410; Fax: 972-4-8523947

E-mail: [Vlodavsk@mail.huji.ac.il](mailto:Vlodavsk@mail.huji.ac.il)

Download English Version:

<https://daneshyari.com/en/article/8455103>

Download Persian Version:

<https://daneshyari.com/article/8455103>

[Daneshyari.com](https://daneshyari.com)