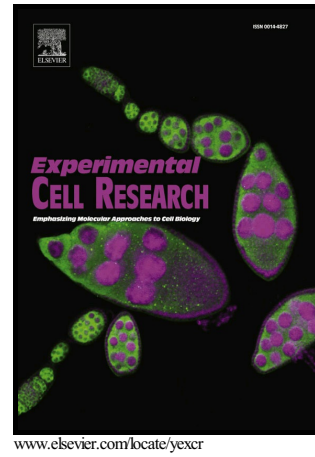


Author's Accepted Manuscript

By moDulating $\alpha 2\beta 1$ integrin signaling, GASTRIN increases adhesion OF AGS-GR GASTRIC CANCER CELLS

Aline Kowalski-Chauvel, Guy Teissier, Christine Toulas, Elizabeth Cohen-jonathan-moyal, Catherine Seva



PII: S0014-4827(17)30667-5
DOI: <https://doi.org/10.1016/j.yexcr.2017.12.014>
Reference: YEXCR10853

To appear in: *Experimental Cell Research*

Received date: 9 October 2017
Revised date: 13 December 2017
Accepted date: 14 December 2017

Cite this article as: Aline Kowalski-Chauvel, Guy Teissier, Christine Toulas, Elizabeth Cohen-jonathan-moyal and Catherine Seva, By moDulating $\alpha 2\beta 1$ integrin signaling, GASTRIN increases adhesion OF AGS-GR GASTRIC CANCER CELLS, *Experimental Cell Research*, <https://doi.org/10.1016/j.yexcr.2017.12.014>

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 galley proof before it is published in its final citable 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.

**BY MODULATING $\alpha2\beta1$ INTEGRIN SIGNALING, GASTRIN
INCREASES ADHESION OF AGS-GR GASTRIC CANCER CELLS**

Aline KOWALSKI-CHAUVEL^{1*}, Guy TEISSIER^{1*}, Christine TOULAS^{1,2}, Elizabeth COHEN-JONATHAN-MOYAL^{1,2}, Catherine SEVA¹

¹ INSERM UMR.1037-Cancer Research Center of Toulouse (CRCT)/University Paul Sabatier Toulouse III, France. ² IUCT-oncopole Toulouse, France.

* these authors equally contributed to this work

Correspondence to: Catherine SEVA

INSERM UMR.1037-Cancer Research Center of Toulouse (CRCT)/University Paul Sabatier Toulouse III, team 11, Oncopole 2 avenue Hubert Curien, CS 53717, 31037 TOULOUSE, FRANCE

Phone: +33(5)82741604, @: cathy.seva@inserm.fr

Keywords: Gastrin, integrins, cell adhesion, gastric cancer, metastasis

ABSTRACT

Peritoneal metastasis is a major cause of recurrence of gastric cancer and integrins are key molecules involved in gastric cancer cells attachment to the peritoneum. The peptide hormone, gastrin, initially identified for its role in gastric acid secretion is also a growth factor for gastric mucosa. Gastrin has also been shown to contribute to gastric cancers progression. Here, we provide the first evidence that gastrin increases the adhesion of gastric cancer cells. Gastrin treatment induces the

Download English Version:

<https://daneshyari.com/en/article/8451745>

Download Persian Version:

<https://daneshyari.com/article/8451745>

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