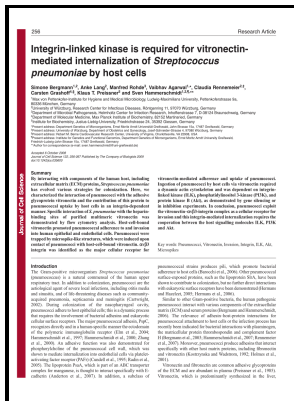


# Overexpression of the integrin-linked kinase (ILK) promotes anchorage-independent cell cycle progression

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Description: -

-Overexpression of the integrin-linked kinase (ILK) promotes anchorage-independent cell cycle progression

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Notes: Thesis (M.Sc.) -- University of Toronto, 1997.

This edition was published in 1997



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Tags: #Increased #expression #of #integrin

## ILK promotes cell proliferation in breast cancer cells by activating the PI3K/Akt pathway

**Introduction** Oral squamous cell carcinoma OSCC is a common malignancy in the oral cavity, accounting for ~90% of all oral tumors, with an estimated 300,000 new cases annually.

## Overexpression of the integrin

B NF- $\kappa$ B is required for ILK-induced upregulation of MMP-9 protein as determined by western blot analysis. Furthermore, increased ILK expression is correlated with progression of several human tumor types, including breast, prostate, and colon carcinomas. These results are further corroborated by evidence indicating that there were no significant differences in immunoprecipitated PKB HH2B phosphotransferase activity between the control and tumour samples analysed data not shown.

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Control of oncogenesis and cancer therapy resistance by the transcription factor NF-kappaB. The monolayer was scraped with a sterile 200  $\mu$ L pipette tip after removal of the culture medium. Sections were blocked using the MOM kit Vector Laboratories followed by incubation with first antibodies overnight at 4°C dilution 1:50.

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The samples were then centrifuged at 6000 r. Select the file that you have just downloaded and select import option Reference Manager RIS. Citation Leonieke Terpstra, Josée Prud'homme, Alice Arabian, Shu Takeda, Gérard Karsenty, Shoukat Dedhar, René St-Arnaud; Reduced chondrocyte proliferation and chondrodysplasia in mice lacking the integrin-linked kinase in chondrocytes.

## Effects of lentivirus

While this manuscript was under revision, a similar study was published by.

### **Overexpression of the integrin**

Abstract This monuraip has been repmdwed from the miaolilm master.

### **The role of integrin**

Observations were performed under an Olympus multifunction microscope Olympus, Tokyo, Japan and fluorescence microscope Leica DM LB2.

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