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**Central role of Yes-associated protein and WW-domain-containing transcriptional co-activator with PDZ-binding motif in pancreatic cancer development**

Rozengurt E *et al.* YAP/TAZ in pancreatic cancer

Enrique Rozengurt, Guido Eibl

#### Abstract

Pancreatic ductal adenocarcinoma (PDAC) remains a deadly disease with no efficacious treatment options. PDAC incidence is projected to increase, which may be caused at least partially by the obesity epidemic. Significantly enhanced efforts to prevent or intercept this cancer are clearly warranted. Oncogenic *KRAS* mutations are recognized initiating events in PDAC development, however, they are not entirely sufficient for the development of fully invasive PDAC. Additional genetic alterations and/or environmental, nutritional, and metabolic signals, as present in obesity, type-2 diabetes mellitus, and inflammation, are required for full PDAC formation. We hypothesize that oncogenic *KRAS* increases the intensity and duration of the growth-promoting signaling network. Recent exciting studies from different laboratories indicate that the activity of the transcriptional co-activators Yes-associated protein (YAP) and WW-domain-containing transcriptional co-activator with PDZ-binding motif (TAZ) play a critical role in the promotion and maintenance of PDAC operating as key downstream target of

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1999年5月4日 - A **WW domain-containing yes-associated protein** (YAP) is a novel **transcriptional co-activator**. ... A protein module called the WW domain recognizes and **binds** to a ... The PY **motif** is present in the **transcription** activation domains of a ... suggesting that it plays an important **role** in **transcriptional** activation.

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