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Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 62149

Manuscript Type: MINIREVIEWS

**RON in hepatobiliary and pancreatic cancers: Pathogenesis and potential therapeutic targets**

Chen SL *et al.* RON in hepatobiliary and pancreatic cancers

**Abstract**

The receptor protein tyrosine kinase RON is a c-MET proto-oncogene. Research has shown that RON has a role in cancer pathogenesis, which places RON on the frontline of the development of novel cancer therapeutic strategies. Hepatobiliary and pancreatic cancers have poor prognosis, being reported as having higher rates of cancer-related death. Therefore, to combat these malignant diseases, the mechanism underlying the aberrant expression and signaling of RON in hepatobiliary and pancreatic cancers

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[europepmc.org/articles/PMC4009395](https://europepmc.org/articles/PMC4009395)

Mar 01, 2014 - RON Expression in Human Pancreatic Cancer. The demonstration of RON overexpression and constitutive activation in several epithelial malignancies, including breast (47%), colorectal (59.2%), and ovarian carcinoma (55%), has supported the potential role of RON in tumor progression and metastasis in human cancer 21,42,52. Until recently, the role of RON signaling in pancreatic cancer ...

### [RON Receptor Tyrosine Kinase as a Therapeutic Target for ...](#)

<https://pubmed.ncbi.nlm.nih.gov/30275241>

Here we identified the RON receptor tyrosine kinase as a therapeutic target for potential TNBC treatment. We analyzed RON expression in 168 primary TNBC samples via tissue microarray using anti-RON IHC staining and demonstrated that RON was widely expressed in 76.8% TNBC samples with overexpression in 76 cases (45.2%). These results provide the molecular basis to target RON for TNBC

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Cited by: 12 Author: Sreedhar Reddy Suthe, Hang-Ping Yao, T...