gutflix
GI learning, personalised

Summary

CMTM4 INHIBITS PROLIFERATION AND MIGRATION OF GASTRIC CANCER CELLS THROUGH STAT1 PATHWAY

JING ZHANG

UEG Week Copenhagen 2023 | Poster

Oesophagus

October 15, 2023

CMTM4 expression is lower in gastric cancer than gastritis tissue, and experimental overexpression of CMTM4 inhibits proliferation, migration, and invasion of gastric cancer cells while promoting apoptosis, potentially through STAT1 signaling.

KEY POINTS

- CMTM4 expression was significantly lower in gastric cancer tissue compared to gastritis tissue ($P<0.05$) as measured by immunohistochemistry
- Overexpression of CMTM4 in AGS and SGC7901 gastric cancer cell lines inhibited cell proliferation, migration, and invasion while increasing apoptosis
- Knockdown of CMTM4 promoted proliferation and migration but inhibited invasion of gastric cancer cells
- TMT proteome analysis showed STAT1 was significantly up-regulated in CMTM4-overexpressing gastric cancer cells, verified by western blot
- This study is relevant for researchers investigating tumor suppressor mechanisms and potential therapeutic targets in gastric cancer

VIEW THIS CONTENT ON GUTFLIX

https://gutflix.eu/search/d/b63b5a36-743c-11ee-a87e-0242ac140004

AI-generated summary

This summary was generated by an AI large language model based on the content transcript. It is for informational purposes only and should not be considered a substitute for clinical judgment. Always rely on your professional expertise and the full clinical context when making clinical decisions.