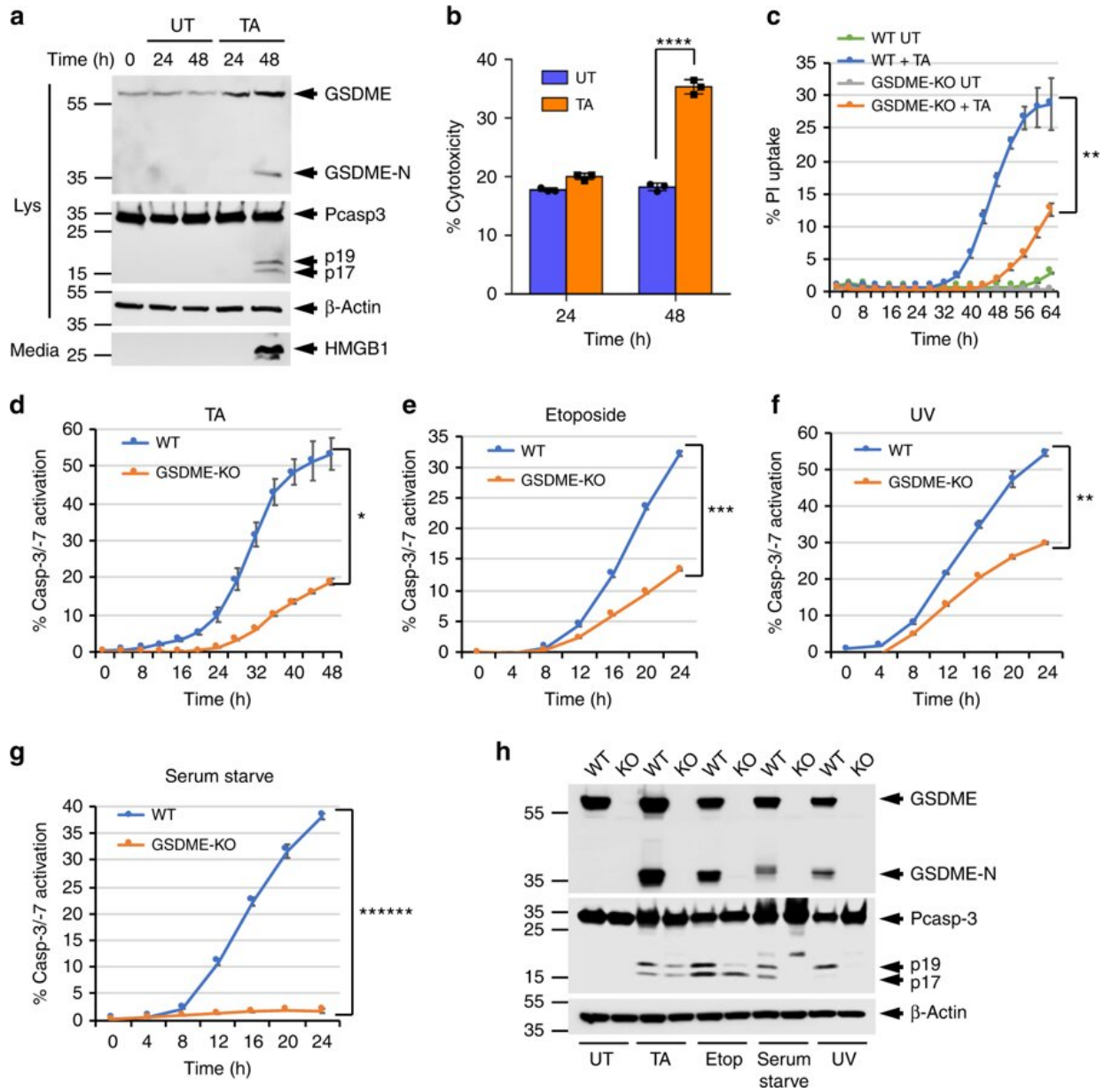


# Hole-forming protein may suppress tumor growth

April 22 2019



GSDME regulates caspase-3 activation and pyroptosis in CEM-C7 cells. a Immunoblots of GSDME, caspase-3, and  $\beta$ -actin in cell lysates (Lys), or high-mobility group box 1 (HMGB1) released in culture media (media) of CEM-C7 cells untreated (UT) or triamcinolone acetonide (TA) treated for the indicated times. b Cytotoxicity of TA as measured by lactate dehydrogenase (LDH) release in the culture supernatants of untreated (Untreated) or TA-treated (TA) CEM-C7 cells for the indicated times. c, d Propidium iodide (PI) uptake (c), and active caspase-3 staining (d–g) in wild-type (WT) and GSDME-knockout (KO) CEM-C7 cells treated with TA (d), etoposide (e), ultraviolet (UV) (f), or serum starvation (g) as measured on the IncuCyte over time. h Immunoblots of GSDME, caspase-3, and  $\beta$ -actin in combined cell lysates plus culture media of WT and GSDME-KO (KO) CEM-C7 cells untreated (UT) or treated with TA, etoposide, serum starvation, or UV as indicated. Results are representative of at least three independent experiments performed in duplicate or triplicate. Error bars represent standard deviation (S.D.). Student's t-test, \*p

Citation: Hole-forming protein may suppress tumor growth (2019, April 22) retrieved 2 February 2024 from <https://medicalxpress.com/news/2019-04-hole-forming-protein-suppress-tumor-growth.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.