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SANTA CRUZ BIOTECHNOLOGY, INC.

# GSDML (h3): 293T Lysate: sc-177316

## BACKGROUND

GSDML (gasdermin-like), also known as GSDMB, PP4052 or PRO2521, is a member of the GSDMDC (gasdermin domain-containing) family of proteins. Members of the GSDMDC family are involved in a wide variety of cellular processes, including cell-cycle control, extracellular matrix production, differentiation and apoptosis, and have been associated with the development and progression of cancer. GSDML is a widely expressed protein found in both cancerous and non-cancerous tissues localizing to the cytoplasm, and in secretory vesicles. The gene encoding GSDML is thought to have been generated by a duplication event of the GSDM1 gene which encodes gasdermin. Various isoforms exist for GSDML.

## REFERENCES


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8. Carl-McGrath, S., Schneider-Stock, R., Ebert, M. and Röcken, C. 2008. Differential expression and localisation of gasdermin-like (GSDML), a novel member of the cancer-associated GSDMDC protein family, in neoplastic and non-neoplastic gastric, hepatic, and colon tissues. Pathology 40: 13-24.


## STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

## PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

## CHROMOSOMAL LOCATION

Genetic locus: GSDMB (human) mapping to 17q12.

## PRODUCT

GSDML (h3): 293T Lysate represents a lysate of human GSDML transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## APPLICATIONS

GSDML (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive GSDML antibodies. Recommended use: 10-20 µl per lane.

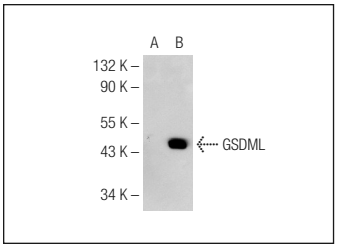
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

GSDML (3D8): sc-101239 is recommended as a positive control antibody for Western Blot analysis of enhanced human GSDML expression in GSDML transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

## RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

## DATA




GSDML (3D8): sc-101239. Western blot analysis of GSDML expression in non-transfected: sc-117752 (**A**) and human GSDML transfected: sc-177316 (**B**) 293T whole cell lysates.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.