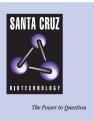
SANTA CRUZ BIOTECHNOLOGY, INC.

gasdermin C (S-18): sc-87301



BACKGROUND

Gasdermin C (GSDMC), also known as melanoma-derived leucine zipper-containing extranuclear factor (MLZE), is a 508 amino acid member of the gasdermin protein family. Localized to the cytoplasm, gasdermin C is expressed primarily in spleen and trachea. Gasdermin C expression has been found to increase with the metastatic potential of melanoma cells. The gene that encodes gasdermin C maps to human chromosom 8, which encodes about 800 genes. Translocation of portions of chromosome 8 with amplifications of the c-Myc gene are found in some leukemias and lymphomas, and typically associated with a poor prognosis. Portions of chromosome 8 have been linked to schizophrenia and bipolar disorder. Chromosome 8 is also associated with Pfeiffer syndrome, congenital hypothyroidism and Waardenburg syndrome.

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CHROMOSOMAL LOCATION

Genetic locus: GSDMC (human) mapping to 8q24.1.

SOURCE

gasdermin C (S-18) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of gasdermin C of human origin.

PRODUCT

Each vial contains 100 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-87301 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

gasdermin C (S-18) is recommended for detection of gasdermin C of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for gasdermin C siRNA (h): sc-77600, gasdermin C shRNA Plasmid (h): sc-77600-SH and gasdermin C shRNA (h) Lentiviral Particles: sc-77600-V.

Molecular Weight of gasdermin C: 57 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker[™] compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker[™] Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluo-rescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz[™] Mounting Medium: sc-24941.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

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

PROTOCOLS

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