**GSDMDC1 (64-Y): sc-81868**

**BACKGROUND**

The gene encoding the 484 amino acid protein GSDMDC1 maps to human chromosome 8q24.3, which is made up of nearly 146 million bases and 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. Trisomy 8, also known as Warkany syndrome 2, most often results in early miscarriage but is occasionally seen in a mosaic form in surviving patients who suffer to a varying degree from a number of symptoms including retarded mental and motor development, and certain facial and developmental defects. WRN is a DNA helicase encoded by chromosome 8 and shown defective in those with the early aging disorder Werner syndrome. Chromosome 8 is also associated with Pfeiffer syndrome, congenital hypothyroidism and Waardenburg syndrome.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: GSDMD (human) mapping to 8q24.3.

**SOURCE**

GSDMDC1 (64-Y) is a mouse monoclonal antibody raised against recombinant GSDMDC1 of human origin.

**PRODUCT**

Each vial contains 100 µg IgG1 kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

GSDMDC1 (64-Y) is recommended for detection of GSDMDC1 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (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 GSDMDC1 siRNA (hc): sc-77581, GSDMDC1 shRNA Plasmid (h): sc-77581-SH and GSDMDC1 shRNA (h) Lentiviral Particles: sc-77581-V.

Molecular Weight of GSDMDC1: 53 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, HeLa whole cell lysate: sc-2200 or JAR cell lysate: sc-2276.

**STORAGE**

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

**DATA**

![Western blot analysis of GSDMDC1 expression in Jurkat whole cell lysate.](image1)

![Immunofluorescence staining of paraformaldehyde-fixed HeLa cells showing cytoplasmic localization.](image2)

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

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