SANTA CRUZ BIOTECHNOLOGY, INC.

EMID1 (h): 293T Lysate: sc-115983

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

The EMID1 amino acid protein EMID1 is encoded by a gene on chromosome 22. Chromosome 22 contains over 500 genes and about 49 million bases. Being the second smallest human chromosome, 22 contains a surprising variety of interesting genes. Phelan-McDermid syndrome, neurofibromatosis type 2 and autism are associated with chromosome 22. A schizophrenia susceptibility locus has been identified on chromosome 22 and studies show that 22q11 deletion symptoms include a high incidence of schizophrenia. Translocations between chromosomes 9 and 22 may lead to the formation of the Philadelphia chromosome and the subsequent production of the novel fusion protein, Bcr-Abl, a potent cell proliferation activator found in several types of leukemia.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: EMID1 (human) mapping to 22q12.2.

PRODUCT

EMID1 (h): 293T Lysate represents a lysate of human EMID1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

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.

APPLICATIONS

EMID1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive EMID1 antibodies. Recommended use: 10-20 µl per lane.

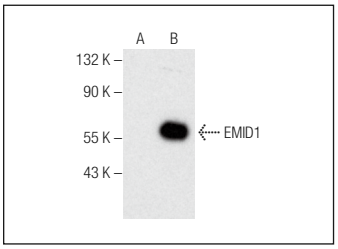
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

EMID1 (G-12): sc-390288 is recommended as a positive control antibody for Western Blot analysis of enhanced human EMID1 expression in EMID1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

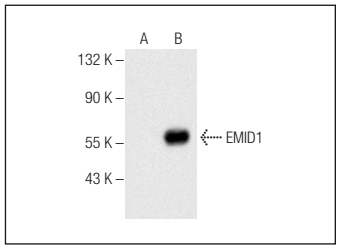
RECOMMENDED SUPPORT REAGENTS

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



EMID1 (G-12): sc-390288. Western blot analysis of EMID1 expression in non-transfected: sc-117752 (**A**) and human EMID1 transfected: sc-115983 (**B**) 293T whole cell lysates.



EMID1 (G-6): sc-390301. Western blot analysis of EMID1 expression in non-transfected: sc-117752 (**A**) and human EMID1 transfected: sc-115983 (**B**) 293T whole cell lysates.

RESEARCH USE

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

PROTOCOLS

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