SANTA CRUZ BIOTECHNOLOGY, INC.

PRELI (h): 293T Lysate: sc-159700

BACKGROUND

PRELI (protein of relevant evolutionary and lymphoid interest), also known as PRELID1, is a 219 amino acid mitochondrial protein that is encoded within a conserved IκB-α and Rab 24 gene cluster. PRELI is highly expressed in fetal liver, which is a major site for B cell lymphopoiesis. During maturation, expression levels of PRELI are drastically reduced in liver and predominant expression is found in brain, lymph nodes, peripheral blood leukocytes and spleen. Changes in expression pattern suggest that PRELI is vital for the development of immunocompetent organs. PRELI contains a late embryogenesis abundant (LEA) motif which is commonly found in plant proteins, suggesting a phylogenetic link between plants and animals. PRELI also contains a 170 amino acid PRELI/MSF1 domain at its N-terminus which may have a function associated with the cellular membrane.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PRELID1 (human) mapping to 5q35.3.

PRODUCT

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

APPLICATIONS

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

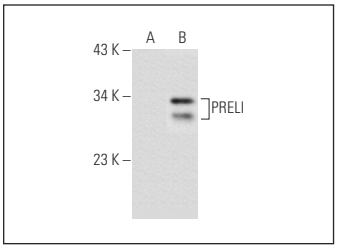
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

PRELI (QF-7): sc-100817 is recommended as a positive control antibody for Western Blot analysis of enhanced human PRELI expression in PRELI 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



PRELI (QF-7): sc-100817. Western blot analysis of PRELI expression in non-transfected: sc-117752 (**A**) and human PRELI transfected: sc-159700 (**B**) 293T whole cell lysates.

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.

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.