**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 κB-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**


**CHROMOSOMAL LOCATION**

Genetic locus: PRELID1 (human) mapping to 5q35.3; Prelid1 (mouse) mapping to 13 B1.

**SOURCE**

PRELI (QF-7) is a mouse monoclonal antibody raised against recombinant PRELI of human origin.

**RESEARCH USE**

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

**PRODUCT**

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

**APPLICATIONS**

PRELI (QF-7) is recommended for detection of PRELI of mouse, rat and 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 PRELI siRNA (h): sc-76242, PRELI siRNA (m): sc-76243, PRELI shRNA Plasmid (h): sc-76242-SH, PRELI shRNA Plasmid (m): sc-76243-SH, PRELI shRNA (h) Lentiviral Particles: sc-76242-V and PRELI shRNA (m) Lentiviral Particles: sc-76243-V.

Molecular Weight of PRELI: 25 kDa.

Positive Controls: PRELI (h): 293 Lysate: sc-111112.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:

**DATA**

**STORAGE**

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

**PROTOCOLS**

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