BACKGROUND

Complete remission of acute promyelocytic leukemia can be achieved by treating patients with retinoic acid, and PML-RARα (promyelocytic leukemia-retinoic acid receptor α fusion protein) plays a major role in mediating retinoic acid effects in leukemia cells. The retinoic acid-induced gene, PRAM-1 (PML-RARα target gene encoding an adaptor molecule 1) encodes an adaptor protein which is expressed and modulated during normal human myelopoiesis. PRAM-1 expression is hindered by expression of PML-RARα. The 718 amino acid PRAM-1 protein contains eight N-terminal proline-rich repeats and several proline residues that are clustered as type I or type II SH3 recognition motifs. PRAM-1 demonstrates expression in hematopoietic tissues and lung.

REFERENCES


CHROMOSOMAL LOCATION

Genetic locus: PRAM1 (human) mapping to 19p13.2; Pram1 (mouse) mapping to 17B1.

SOURCE

PRAM-1 (H-300) is a rabbit polyclonal antibody raised against amino acids 323-620 mapping within an internal region of PRAM-1 of human origin.

RESEARCH USE

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

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

PRAM-1 (H-300) is recommended for detection of PRAM-1 of human and, to a lesser extent, mouse and rat 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for PRAM-1 siRNA (h): sc-61393, PRAM-1 siRNA (m): sc-61394, PRAM-1 shRNA Plasmid (h): sc-61393-SH, PRAM-1 shRNA Plasmid (m): sc-61394-SH, PRAM-1 shRNA (h) Lentiviral Particles: sc-61393-V and PRAM-1 shRNA (m) Lentiviral Particles: sc-61394-V.

Molecular Weight of PRAM-1: 97 kDa.

DATA

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 or our catalog for detailed protocols and support products.