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SLP-76 (m): 293T Lysate: sc-126013

BACKGROUND

The translational product of the Vav proto-oncogene is exclusively expressed in cells of hematopoietic origin and is critical for lymphocyte development and activation. However, the biochemical basis of Vav function is unclear. Vav contains a single SH2 domain that is required for its association with the T cell receptor (TCR). Overexpression of Vav or SLP-76 in Jurkat cells leads to NFAT activation and IL-2 production. When co-expressed, Vav and SLP-76 synergize to induce a robust basal and TCR-mediated IL-2 response. Although SLP-76 does not contain a motif that would indicate it to be a member of the tyrosine, serine/threonine or lipid kinase families, it does contain several putative SH2/SH3-binding domains and has been shown to physically associate with the adapter protein GRB2 as well as PLC γ 1. The discovery of SLP-76 represents an important step in elucidating the mechanism of Vav transformation and TCR-mediated NFAT activation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Lcp2 (mouse) mapping to 11 A4.

PRODUCT

SLP-76 (m): 293T Lysate represents a lysate of mouse SLP-76 transfected 293T cells and is provided as 100 μ g protein in 200 μ l 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.

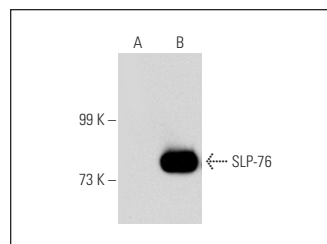
APPLICATIONS

SLP-76 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive SLP-76 antibodies. Recommended use: 10-20 μ l per lane.

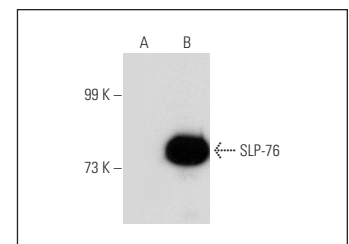
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

SLP-76 (SLP-76/03): sc-51698 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse SLP-76 expression in SLP-76 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



SLP-76 (SLP-76/03): sc-51698. Western blot analysis of SLP-76 expression in non-transfected: sc-117752 (A) and mouse SLP-76 transfected: sc-126013 (B) 293T whole cell lysates.



SLP-76 (F-7): sc-13151. Western blot analysis of SLP-76 expression in non-transfected: sc-117752 (A) and mouse SLP-76 transfected: sc-126013 (B) 293T whole cell lysates.

RESEARCH USE

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

PROTOCOLS

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