

HAX-1 (h): 293T Lysate: sc-113132

BACKGROUND

HAX-1 (HS1-associated protein X-1 or HS1-binding protein protein X-1), encodes a novel protein. HAX-1 has previously been shown to associate with HS1, a protein specifically expressed in cells of the haematopoietic lineage, and is thought to be involved in signal transduction in B cells and apoptosis. Though first identified as a protein that associates with HS1, recent data has also revealed interactions between HAX-1 and three disparate proteins; Polycystin-2 (derived from the PKD2 gene), a protein linked to polycystic kidney disease, Cortactin, and EBNA-LP (Epstein-Barr virus nuclear antigen leader protein). Additionally, HAX-1 has been identified as a binding partner to the carboxy-terminus of the K15 protein of Kaposi's sarcoma-associated herpes-virus. K15 interacts with cellular HAX-1 *in vitro* and *in vivo*. Furthermore, HAX-1 co-localizes with K15 in the endoplasmic reticulum and mitochondria. Immunofluorescence experiments show that in most cells PKD2 and HAX-1 co-localize in the cell body, but in some cells PKD2 and HAX-1 are also sorted into cellular processes and lamellipodia. The HAX-1 gene is expressed ubiquitously among tissues. Its protein is localized mainly in mitochondria, but also in endoplasmic reticulum and the nuclear envelope of the cell.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: HAX1 (human) mapping to 1q21.3.

PRODUCT

HAX-1 (h): 293T Lysate represents a lysate of human HAX-1 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

HAX-1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive HAX-1 antibodies. Recommended use: 10-20 μ l per lane.

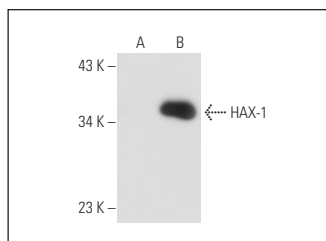
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

HAX-1 (B-11): sc-166845 is recommended as a positive control antibody for Western Blot analysis of enhanced human HAX-1 expression in HAX-1 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-IgG κ BP-HRP: sc-516102 or m-IgG κ 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



HAX-1 (B-11): sc-166845. Western blot analysis of HAX-1 expression in non-transfected: sc-117752 (A) and human HAX-1 transfected: sc-113132 (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.