DAP-3 (4H75): sc-70949



The Power to Question

BACKGROUND

The death-associated protein 3 (DAP-3), is a nucleotide-binding protein that contains a potential P-loop motif. It is a positive mediator of programmed cell death; overexpressed intact full-length protein is required in order to induce apoptosis. DAP-3 functions downstream of its receptor signaling complex and its death promoting effects depend on caspase activity. It also interacts with the glucocorticoid receptor (GR), where its main interaction domain is the amino-terminal region, which acts in a dominant-negative fashion to protect cells from apoptosis. DAP-3 protein may also play a role in modulating the cytoplasmic GR/HSP 90 complex. It is conserved at the functional, as well as the structural level, and is ubiquitously expressed in highly proliferative epithelial compartments of various tissues. Unlike a number of other proteins, DAP-3 retains its mitochondrial localization during the induction of apoptosis.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: DAP3 (human) mapping to 1q22; Dap3 (mouse) mapping to 3 F2.

SOURCE

DAP-3 (4H75) is a mouse monoclonal antibody raised against amino acids 45-52 and 358-371 of DAP-3 of human origin.

PRODUCT

Each vial contains 100 μg lgG_1 in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

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

APPLICATIONS

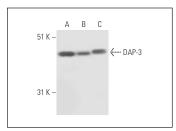
DAP-3 (4H75) is recommended for detection of DAP-3 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)].

Suitable for use as control antibody for DAP-3 siRNA (h): sc-37381, DAP-3 siRNA (m): sc-155880, DAP-3 shRNA Plasmid (h): sc-37381-SH, DAP-3 shRNA Plasmid (m): sc-155880-SH, DAP-3 shRNA (h) Lentiviral Particles: sc-37381-V and DAP-3 shRNA (m) Lentiviral Particles: sc-155880-V.

Molecular Weight of DAP-3: 46 kDa.

Positive Controls: Daudi cell lysate: sc-2415, HeLa whole cell lysate: sc-2200 or U-937 cell lysate: sc-2239.

DATA



DAP-3 (4H75): sc-70949. Western blot analysis of DAP-3 expression in HeLa (**A**), U-937 (**B**) and U-87 MG (**C**) whole cell lysates

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.