

DAP-1 (A-16): sc-12191

BACKGROUND

In contrast to growth factors which promote cell proliferation, FAS ligand (FAS-L) and the tumor necrosis factors (TNFs) rapidly induce apoptosis. Cellular response to FAS-L and TNF is mediated by structurally related receptors containing a conserved cytoplasmic region called the "death domain". DAP-1 (for death associated protein-1) is a basic, proline-rich, 15 kDa protein expressed in gamma interferon (IFN- γ)-induced HeLa cells. DAP-1 is a member of the ubiquitin homology (UbH) family which also includes PIC 1 and SIII p18 elogin protein. DAP-1 interacts with the death domain of TNF-R1 and can trigger programmed cell death in a variety of cell lines, as well as suppress NF- κ B/Rel activity.

REFERENCES

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5. Deiss, L.P., et al. 1995. Identification of a novel serine/threonine kinase and a novel 15-kD protein as potential mediators of the gamma interferon-induced cell death. *Genes Dev.* 9: 15-30.
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CHROMOSOMAL LOCATION

Genetic locus: DAP (human) mapping to 5p15.2; Dap (mouse) mapping to 15 B2.

SOURCE

DAP-1 (A-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of DAP-1 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-12191 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

APPLICATIONS

DAP-1 (A-16) is recommended for detection of DAP-1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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).

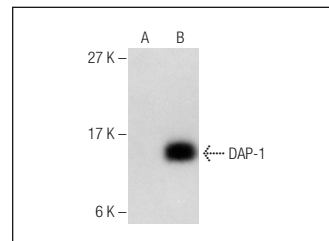
DAP-1 (A-16) is also recommended for detection of DAP-1 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for DAP-1 siRNA (h): sc-37379, DAP-1 siRNA (m): sc-37380, DAP-1 shRNA Plasmid (h): sc-37379-SH, DAP-1 shRNA Plasmid (m): sc-37380-SH, DAP-1 shRNA (h) Lentiviral Particles: sc-37379-V and DAP-1 shRNA (m) Lentiviral Particles: sc-37380-V.

Molecular Weight of DAP-1: 15 kDa.

Positive Controls: DAP-1 (m): 293T Lysate: sc-119657.

DATA



DAP-1 (A-16): sc-12191. Western blot analysis of DAP-1 expression in non-transfected: sc-117752 (A) and mouse DAP-1 transfected: sc-119657 (B) 293T whole cell lysates.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. 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 or our catalog for detailed protocols and support products.

MONOS
Satisfaction
Guaranteed

Try **DAP-1 (C-8): sc-376754**, our highly recommended monoclonal alternative to DAP-1 (A-16).