

Daxx (M-112): sc-7152

BACKGROUND

Activation of the cell surface receptor FAS by FAS ligand leads to the initiation of apoptosis, a process necessary for the regulation of the immune system and tissue homeostasis. FAS-mediated apoptosis appears to involve a number of divergent and overlapping pathways. Daxx appears to be a central component of a FAS-mediated apoptotic pathway involving the activation of Jun N-terminal kinase (JNK). Although Daxx itself does not contain a death domain, it specifically binds to the death domain of FAS. Overexpression of Daxx activates the JNK pathway and enhances FAS-mediated apoptosis. The Daxx apoptotic pathway acts cooperatively with but is distinct from the FAS-mediated pathway that involves interactions between the death domain-containing protein FADD and the cysteine protease FLICE. Unlike the FAS-FADD-FLICE pathway, the Daxx pathway is sensitive to the apoptotic inhibitor protein Bcl-2.

CHROMOSOMAL LOCATION

Genetic locus: DAXX (human) mapping to 6p21.32; Daxx (mouse) mapping to 17 B1.

SOURCE

Daxx (M-112) is a rabbit polyclonal antibody raised against amino acids 627-739 mapping at the C-terminus of Daxx of mouse origin.

PRODUCT

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

Daxx (M-112) is available conjugated to agarose (sc-7152 AC), 500 µg/0.25 ml agarose in 1 ml, for IP.

APPLICATIONS

Daxx (M-112) is recommended for detection of Daxx of mouse, rat and human 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 Daxx siRNA (h): sc-35178, Daxx siRNA (m): sc-35177, Daxx shRNA Plasmid (h): sc-35178-SH, Daxx shRNA Plasmid (m): sc-35177-SH, Daxx shRNA (h) Lentiviral Particles: sc-35178-V and Daxx shRNA (m) Lentiviral Particles: sc-35177-V.

Molecular Weight of Daxx: 120 kDa.

Positive Controls: PC-12 cell lysate: sc-2250, 3611-RF whole cell lysate: sc-2215 or Ramos cell lysate: sc-2216.

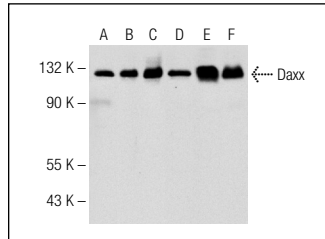
STORAGE

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

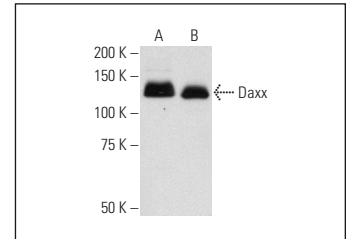
RESEARCH USE

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

DATA



Daxx (M-112): sc-7152. Western blot analysis of Daxx expression in HeLa (A), BJAB (B), Ramos (C), K-562 (D), RAW 264.7 (E) and WEHI-231 (F) whole cell lysates.



Daxx (M-112): sc-7152. Western blot analysis of Daxx expression in PC-12 (A) and 3611-RF (B) whole cell lysates.

SELECT PRODUCT CITATIONS

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- Alvarez, F., et al. 2011. Sequential establishment of marks on soluble histones H3 and H4. *J. Biol. Chem.* 286: 17714-17721.
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- Vilotti, S., et al. 2012. The PML nuclear bodies-associated protein TTRAP regulates ribosome biogenesis in nucleolar cavities upon proteasome inhibition. *Cell Death Differ.* 19: 488-500.
- Halder, U.C., et al. 2013. Phosphorylation drives an apoptotic protein to activate antiapoptotic genes: paradigm of influenza A matrix 1 protein function. *J. Biol. Chem.* 288: 14554-14568.


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