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NF-1 (h): 293T Lysate: sc-176624

BACKGROUND

The NF-1 family of CCAAT box binding proteins function to stimulate DNA replication and activate transcription. NF-1A (nuclear factor 1/A), a member of the NF-1 family, is a 509 amino acid protein that localizes to the nucleus and contains one CTF/NF-1 DNA-binding domain. Existing as a homodimer that is able to bind DNA, NF-1A recognizes and binds to the palindromic sequence 5'-TTGGCNNNNNGCCAA-3' (a sequence that is common in both cellular and viral promoters) and, via this binding, plays a role in transcription and replication. NF-1A is subject to DNA damage-dependent phosphorylation, probably by Atm or ATR. Multiple isoforms of NF-1A exist due to alternative splicing events.

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CHROMOSOMAL LOCATION

Genetic locus: NFIA (human) mapping to 1p31.3.

PRODUCT

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

APPLICATIONS

NF-1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive NF-1 antibodies.

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

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.