

NKRF (h): 293T Lysate: sc-117208

BACKGROUND

NKRF (NFκB-repressing factor), also known as transcription factor NRF or ITBA4 protein, is a ubiquitously expressed silencer protein. It localizes to the nucleoli but is also found in the nucleoplasm and contains one of each of the following nucleic acid binding domains: G-patch and R3H. NKRF represses the basal transcription of IFN-β, IL-8 and NOS2 by directly binding to their promoters. NKRF also binds to negative regulatory elements (NREs) and directly interacts with NFκB via its N-terminus. NKRF specifically inhibits the transcriptional activity of the NFκB proteins. In addition, NKRF contains a 5' untranslated region (UTR) that has internal ribosome entry segment (IRES) activity. The activity of the NKRF IRES module is decreased with the down-regulation of the RNA-binding protein, JKTBP1.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: NKRF (human) mapping to Xq24.

PRODUCT

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

APPLICATIONS

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

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.