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IFI-202 (m): 293T Lysate: sc-120949

BACKGROUND

Interferon-inducible proteins include IFI-202, IFI-203, IFI-204 and D3, which are encoded by six or more structurally related and IFN-inducible mouse genes mapping at the q21-q23 region of chromosome 1. The proteins encoded by these genes have homologous 200 amino acid segments. IFI-202 is a primarily nuclear phosphoprotein which inhibits cell growth, in part by modulating transcriptional activity of NFκB, E2F, AP-1 and p53. Two related human proteins, MNDA (myeloid cell nuclear differentiation antigen) and IFI-16, have also been described. Expression of MNDA has been observed specifically in cells of the granulocyte-macrophage lineage. IFI-16 is constitutively expressed in various T and B cell lines and can be induced by IFN-γ in HL-60 cells. At least four of the gene 200 cluster of IFN-inducible proteins, IFI-202, IFI-204, MNDA and IFI-16, are localized in the nucleus.

REFERENCES

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6. Min, W., et al. 1996. The interferon-inducible p202 protein as a modulator of transcription: inhibition of NFκB, c-Fos and c-Jun activities. *Mol. Cell Biol.* 16: 359-368.
7. Datta, B., et al. 1996. p202, an interferon-inducible modulator of transcription, inhibits transcriptional activation by the p53 tumor suppressor protein, and a segment from the p53-binding protein 1 that binds to p202 overcomes this inhibition. *J. Biol. Chem.* 271: 27544-27555.
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CHROMOSOMAL LOCATION

Genetic locus: Ifi202b (mouse) mapping to 1 H3.

PRODUCT

IFI-202 (m): 293T Lysate represents a lysate of mouse IFI-202 transfected 293T cells and is provided as 100 μg protein in 200 μl SDS-PAGE buffer.

APPLICATIONS

IFI-202 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive IFI-202 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.