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Diagnostik & molekulare Diagnostik



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# IFI-202 (m2): 293T Lysate: sc-120950

## 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 NF $\kappa$ B, 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- $\gamma$  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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3. Lengyel, P., Choubey, D., Li, S.J. and Datta, B. 1995. The interferon-activatable gene 200 cluster: from structure toward function. *Semin. Virol.* 6: 203-213.
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5. Datta, B., Li, B., Choubey, D., Nallur, G. and Lengyel, P. 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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8. Choubey, D., Li, S.J., Datta, B., Gutterman, J.U. and Lengyel, P. 1996. Inhibition of E2F-mediated transcription by p202. *EMBO J.* 15: 5668-5678.

## CHROMOSOMAL LOCATION

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

## RESEARCH USE

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

## PRODUCT

IFI-202 (m2): 293T Lysate represents a lysate of mouse IFI-202 transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

## APPLICATIONS

IFI-202 (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive IFI-202 antibodies. Recommended use: 10-20  $\mu$ l per lane.

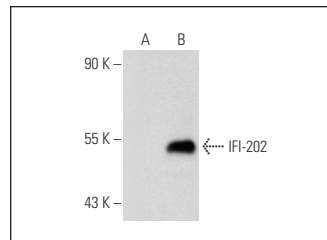
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

IFI-202 (F-7): sc-166253 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse IFI-202 expression in IFI-202 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

## RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:  
 1) Western Blotting: use m-IgG $\kappa$  BP-HRP: sc-516102 or m-IgG $\kappa$  BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

## DATA



IFI-202 (F-7): sc-166253. Western blot analysis of IFI-202 expression in non-transfected: sc-117752 (A) and mouse IFI-202 transfected: sc-120950 (B) 293T whole cell lysates.

## 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.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.