

IRF-5 (h2): 293T Lysate: sc-176170

BACKGROUND

Interferon regulatory factor 5 (IRF-5), belongs to the IRF family of DNA-binding factors, which includes IRF-1, IRF-2, IRF-3, IRF-4, IRF-6, IRF-7, ISGF-3 γ p48 and IFN consensus sequence-binding protein (ICSBP). The IRF family regulate both interferon and interferon-inducible genes. IRF-5, like IRF-3 and IRF-7, is a direct transducer of virus-mediated signaling and plays a role in the expression of multiple cytokines/chemokines. Although IRF-5 is a direct target of p53, its cell cycle regulatory and proapoptotic effects are p53 independent.

REFERENCES

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3. Barnes, B.J., et al. 2001. Virus-specific activation of a novel interferon regulatory factor, IRF-5, results in the induction of distinct interferon α genes. *J. Biol. Chem.* 276: 23382-23390.
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6. Barnes, B.J., et al. 2003. Virus-induced heterodimer formation between IRF-5 and IRF-7 modulates assembly of the IFNA enhanceosome *in vivo* and transcriptional activity of IFNA genes. *J. Biol. Chem.* 278: 16630-16641.
7. Barnes, B.J., et al. 2003. Interferon regulatory factor 5, a novel mediator of cell cycle arrest and cell death. *Cancer Res.* 63: 6424-6431.

CHROMOSOMAL LOCATION

Genetic locus: IRF5 (human) mapping to 7q32.1

PRODUCT

IRF-5 (h2): 293T Lysate represents a lysate of human IRF-5 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

IRF-5 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive IRF-5 antibodies.

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

IRF-5 (10T1): sc-56714 is recommended as a positive control antibody for Western Blot analysis of enhanced human IRF-5 expression in IRF-5 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

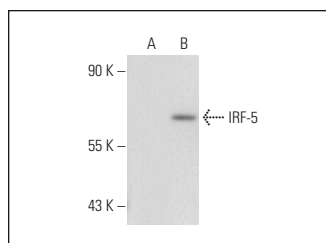
STORAGE

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.

DATA



IRF-5 (10T1): sc-56714. Western blot analysis of IRF-5 expression in non-transfected: sc-117752 (A) and human IRF-5 transfected: sc-176170 (B) 293T whole cell lysates.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.