

anti-IRF2

Cat #: HM1200 Rabbit polyclonal IgG 0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Interferon regulatory factor-1 (IRF-1) and IRF-2 are members of the interferon regulatory transcription factor family that also includes IRF-3, IRF-4 (designated ICSAT in human and Pip or LSIRF in mouse), IRF-7, p48, which is the 48 kDa component of the ISGF-3 complex, and ICSBP (IFN consensus sequencebinding protein). IRF-1 and IRF-2 are structurally related, particularly in their N-terminal regions that confer DNA binding specificity. They bind to the same sequence within the promoters of interferon-α and interferon-β genes. IRF1 serves as an activator of interferons alpha and beta transcription, and in mouse it has been shown to be required for double-stranded RNA induction of these genes. IRF1 also functions as a transcription activator of genes induced by interferons alpha, beta, and gamma. Further, IRF1 has been shown to play roles in regulating apoptosis and tumor-suppression. IRF2 competitively inhibits the IRF1-mediated transcriptional activation of interferons alpha and beta, and presumably other genes that employ IRF1 for transcription activation.

SPECIFICITY

This antibody specifically reacts with IRF-2 of mouse, rat and human origin by Western blotting, immunoprecipitation and immunohistochemistry; non cross-reactive with IRF-1 or ISGF-3 p48.

IMMUNOGEN

A peptide at the carboxy terminus of human IRF-2.

STORAGE

This antibody is stable for 12 months when stored at 2-8° C.

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