
anti- ISGF-3 γ p48

Cat #: HM1202
Rabbit polyclonal IgG
0.2 $\mu\text{g}/\mu\text{l}$, store at 4 °C

For research use only

BACKGROUND

Stats (signal transducers and activators of transcription) are transcription factors activated by peptide hormones, growth factors and cytokines, particularly interferons. Stat1 α p91, Stat1 β p84 (an 84 kDa form of p91 that lacks 38 COOH-terminal amino acids) and Stat2 p113 form a complex (designated ISGF-3) with a 48 kDa protein (ISGF-3 γ , p48). They assemble when the Stat1 is phosphorylated upon INF activation. ISGF-3 γ is a member of the interferon regulatory family of DNA binding proteins. It recognizes and binds to the IFN-stimulated response element, or ISRE within the regulatory sequences of target genes.

SPECIFICITY

This antibody specifically reacts with ISGF-3 gamma of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A synthetic peptide derived from N-terminus of human ISGF-3 gamma protein.

STORAGE

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

REFERENCES

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3. Harada, H., Takahashi, E.I., Itoh, S., Harada, K., Hori, T.A., and Taniguchi, T. 1994. Structure and regulation of the human interferon regulatory factor 1 (IRF-1) and IRF-2 genes: implications for a gene network in the interferon system. *Mol. Cell. Biol.* 14: 1500-1509.
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5. Wu,W.Z., Sun,H.C., Gao,Y.Q., Li,Y., Wang,L., Zhou,K., Liu,K.D., Iliakis,G. and Tang,Z.Y. (2004) Reduction in p48-ISGFgamma levels confers resistance to interferon-alpha2a in MHCC97 cells. *Oncology* 67, 428-440.

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