
anti- IFN α / β R α

Cat #: HM1183
Rabbit polyclonal IgG
0.2 μ g/ μ l, store at 4 °C

For research use only

BACKGROUND

The type I interferons (IFN α and β) are induced by either viruses or double stranded RNA and have a variety of effects on target cells including antiviral, antiproliferative, and immunomodulatory activities. The IFNs α and β appear to compete with one another for binding to a common cell surface receptor (IFN- α / β R), while IFN γ binds to a distinct receptor. IFN- α / β R is associated with the cytoplasmic tyrosine kinase JAK1 and thus, in addition to ligand binding, is functionally involved in signal transduction.

SPECIFICITY

This antibody is recommended for the detection of IFN- α / β R α chain (also designated IFN α R1) of human, and to a lesser extent, mouse and rat origin by Western blotting, immunoprecipitation and immunohistochemistry.

Molecular Weight of IFN- α / β R α : 60 kDa. Western blotting positive controls: A-431 cell lysate.

IMMUNOGEN

A recombinant protein corresponding to the carboxy terminus of human IFN- α R α .

STORAGE

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

REFERENCES

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3. Soh, J., et al. 1994. Identification and sequence of an accessory factor required for activation of the human interferon γ receptor. *Cell* 76: 793-802.
4. Hemmi, S., et al. 1994. A novel member of the interferon receptor family complements functionality of the murine interferon γ receptor in human cells. *Cell* 76: 803-810.
5. Uddin, S., Chamdin, A. and Plataniias, L.C. (1995) Interaction of the transcriptional activator Stat-2 with the type I interferon receptor. *J. Biol. Chem.* 270, 24627-24630.

6. Ragimbeau, J., Dondi, E., Alcover, A., Eid, P., Uze, G. and Pellegrini, S. (2003) The tyrosine kinase Tyk2 controls IFNAR1 cell surface expression. *EMBO J.* 22, 537-547.

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