

Anti-IFN Beta / Interferon Beta Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17978**Specification**

Anti-IFN Beta / Interferon Beta Antibody - Product Information

Application	WB, IHC-P, E
Primary Accession	P01574
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	22294

Anti-IFN Beta / Interferon Beta Antibody - Additional Information**Gene ID** 3456**Alias Symbol** IFNB1**Other Names**

IFNB1, IFF, IFB, IFNB, Interferon beta, Interferon, beta 1, fibroblast, Fibroblast interferon, IFN-beta

Target/Specificity

Human IFN Beta / Interferon Beta

Reconstitution & Storage

Caprylic acid and ammonium sulfate precipitation

Precautions

Anti-IFN Beta / Interferon Beta Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-IFN Beta / Interferon Beta Antibody - Protein Information**Name** IFNB1 ([HGNC:5434](#))**Synonyms** IFB, IFNB**Function**

Type I interferon cytokine that plays a key role in the innate immune response to infection, developing tumors and other inflammatory stimuli (PubMed:6157094, PubMed:6171735, PubMed:8027027, PubMed:7665574, PubMed:8969169, PubMed:10049744, PubMed:10556041). Signals via

binding to high-affinity (IFNAR2) and low-affinity (IFNAR1) heterodimeric receptor, activating the canonical Jak-STAT signaling pathway resulting in transcriptional activation or repression of interferon-regulated genes that encode the effectors of the interferon response, such as antiviral proteins, regulators of cell proliferation and differentiation, and immunoregulatory proteins (PubMed:8027027, PubMed:7665574, PubMed:8969169, PubMed:10049744, PubMed:10556041). Signals mostly via binding to a IFNAR1-IFNAR2 heterodimeric receptor, but can also function with IFNAR1 alone and independently of Jak-STAT pathways (By similarity). Elicits a wide variety of responses, including antiviral and antibacterial activities, and can regulate the development of B-cells, myelopoiesis and lipopolysaccharide (LPS)- inducible production of tumor necrosis factor (By similarity). Plays a role in neuronal homeostasis by regulating dopamine turnover and protecting dopaminergic neurons: acts by promoting neuronal autophagy and alpha-synuclein clearance, thereby preventing dopaminergic neuron loss (By similarity). IFNB1 is more potent than interferon-alpha (IFN- alpha) in inducing the apoptotic and antiproliferative pathways required for control of tumor cell growth (By similarity).

Cellular Location

Secreted.

Anti-IFN Beta / Interferon Beta Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-IFN Beta / Interferon Beta Antibody - Images