

For Research Use Only

IFN-beta Polyclonal antibody

Catalog Number: 27506-1-AP

15 Publications



Basic Information

Catalog Number:

27506-1-AP

Size:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26326

GenBank Accession Number:

BC069314

GeneID (NCBI):

3456

UNIPROT ID:

P01574

Full Name:

IFN beta

Calculated MW:

187 aa, 22 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : Recombinant protein,

IF/ICC : HepG2 cells,

Background Information

Interferon-beta (IFN- β) is a type I interferon, which is a group of signaling proteins made and released by host cells in response to the presence of several viruses, including double-stranded RNA produced by many viruses. IFN- β is a single protein species and is molecularly related to IFN- α subtypes, although it is antigenically distinct from them. It is mainly produced by fibroblasts and plays a crucial role in the innate immune response against viruses. IFN- β can inhibit viral replication by interfering with the virus's RNA or DNA, thus suppressing viral growth. It also enhances the cytotoxic activity of natural killer (NK) cells and promotes the expression of major histocompatibility complex (MHC) class I molecules.

Notable Publications

Author	Pubmed ID	Journal	Application
Yan Jin	34524541	Amino Acids	WB
Tongtian Zhuang	32532953	Cell Death Dis	IF
Bin Yan	35775939	J Mater Chem B	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

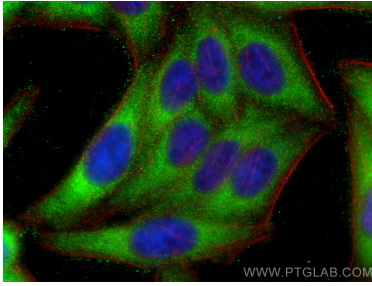
T: 4006900926

E: Proteintech-CN@ptglab.com

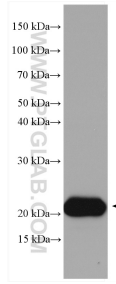
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using IFN-beta antibody (27506-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).



Recombinant protein were subjected to SDS PAGE followed by western blot with 27506-1-AP (IFN Beta antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.