

For Research Use Only

# IFN-alpha 4/IFNA4 Polyclonal antibody, PBS Only

Catalog Number:33237-1-PBS



## Basic Information

Catalog Number:

33237-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG4962

GenBank Accession Number:

BC113642

GeneID (NCBI):

3441

UNIPROT ID:

P05014

Full Name:

interferon, alpha 4

Purification Method:

Antigen affinity Purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## Background Information

IFN-alpha 4 (IFN- $\alpha$  4 or IFNA4) belongs to the type I interferon family, a group of cytokines primarily produced in response to viral infections. As a key player in the innate immune response, IFN- $\alpha$  4 provides the body's first line of defense against pathogens by inducing an antiviral state in neighboring cells. Produced primarily by macrophages, IFN- $\alpha$  4 exerts its antiviral effects by binding to the interferon alpha receptor (IFNAR) on cell surfaces, thereby activating downstream immune signaling pathways. This binding triggers the expression of antiviral proteins, such as a protein kinase and an oligoadenylate synthetase, which inhibit viral RNA replication and enhance natural killer cell cytotoxicity against viruses.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

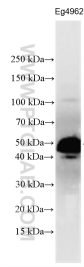
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Human IFN-alpha 4 recombinant protein (Cat No. Eg4962) was subjected to SDS PAGE, followed by western blot with 33237-1-AP (IFN-alpha 4/IFNA4 antibody) at a dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33237-1-PBS in a different storage buffer formulation.