

For Research Use Only

# IFN-alpha 4/IFNA4 Polyclonal antibody

Catalog Number:33237-1-AP



## Basic Information

Catalog Number:

33237-1-AP

Concentration:

400 µg/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

Recommended Dilutions:

WB: 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Recombinant protein,

## 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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

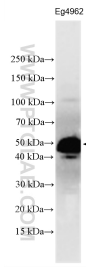
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## Selected Validation Data



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.