

For Research Use Only

IFN-alpha 4/IFNA4 Polyclonal antibody

Catalog Number: 33237-1-AP



Basic Information

Catalog Number: 33237-1-AP	GenBank Accession Number: BC113642	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 3441	Recommended Dilutions: WB: 1:1000-1:4000
Source: Rabbit	UNIPROT ID: P05014	
Isotype: IgG	Full Name: interferon, alpha 4	
Immunogen Catalog Number: EG4962		

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Recombinant protein,
Species Specificity: human	

Background Information

IFN-alpha 4 (IFN- α 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- α 4 provides the body's first line of defense against pathogens by inducing an antiviral state in neighboring cells. Produced primarily by macrophages, IFN- α 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

*** 20ul sizes contain 0.1% BSA

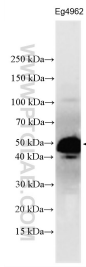
For technical support and original validation data for this product please contact:

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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.