

For Research Use Only

# IRF9 Recombinant antibody

Catalog Number: 85160-2-RR



## Basic Information

<b>Catalog Number:</b> 85160-2-RR	<b>GenBank Accession Number:</b> BC035716	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10379	<b>CloneNo.:</b> 242772F12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q00978	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> IRF 9	
<b>Immunogen Catalog Number:</b> AG5365	<b>Calculated MW:</b> 393 aa, 44 kDa	
	<b>Observed MW:</b> 44-48 kDa	

## Applications

**Tested Applications:**  
WB, ELISA  
**Species Specificity:**  
human

**Positive Controls:**  
WB : HeLa cells, MCF-7 cells, THP-1 cells, A549 cells

## Background Information

IRF9 also named ISGF3 is a transcription regulatory factor that mediates signaling by type I IFNs (IFN-alpha and IFN-beta). Following type I IFN binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. The phosphorylated STATs dimerize, associate with IRF9/ISGF3G to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of IFN stimulated genes, which drive the cell in an antiviral state.

## 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

**\*\*\* 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



Various lysates were subjected to SDS PAGE followed by western blot with 85160-2-RR (IRF9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.