

For Research Use Only

# IRF1 Polyclonal antibody

Catalog Number: 11335-1-AP

Featured Product

16 Publications



## Basic Information

**Catalog Number:**

11335-1-AP

**Size:**

150ul, Concentration: 300 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG1879

**GenBank Accession Number:**

BC009483

**GeneID (NCBI):**

3659

**Full Name:**

IRF 1

**Calculated MW:**

325 aa, 37 kDa

**Observed MW:**

45-50 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB

IHC 1:20-1:200

## Applications

**Tested Applications:**

FC, IHC, IP, WB, ELISA

**Cited Applications:**

IF, IHC, WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, pig, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : IFN gamma treated HeLa cells, Jurkat cells, HL-60 cells, Raji cells

IP : HL-60 cells,

IHC : human breast cancer tissue,

## Background Information

IRF1, also named as IFN regulatory factor 1, is a 325 amino acid protein, which belongs to the IRF family. IRF1 as a transcriptional regulator which displays a remarkable functional diversity in the regulation of cellular responses. The calculated molecular weight of IRF1 is 37 kDa, but the modified IRF1 protein is about 45-50 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Bin Zhang	32964498	Neurochem Res	WB
Hironori Bando	30283439	Front Immunol	WB
Shilong Zhang	33013386	Front Pharmacol	WB

## 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

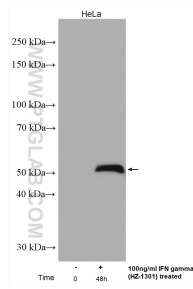
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

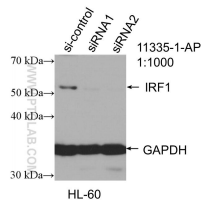
E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

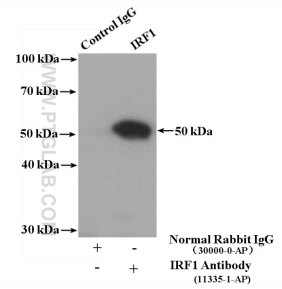
## Selected Validation Data



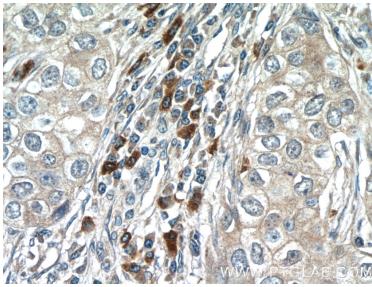
Western blot analysis of HeLa cells, untreated or treated with Human IFN- $\gamma$  (hIFN- $\gamma$ ) HZ-1301 (100 ng/ml, 48 hr), using 11335-1-AP (IRF1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



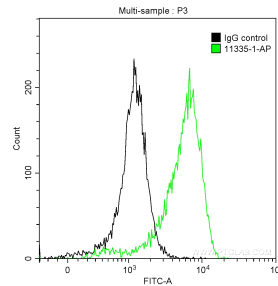
WB result of IRF1 antibody (11335-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-IRF1 transfected HL-60 cells.



IP result of anti-IRF1 (IP:11335-1-AP, 4ug; Detection:11335-1-AP 1:300) with HL-60 cells lysate 4400 ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11335-1-AP (IRF1 Antibody) at dilution of 1:50 (under 40x lens).



1X10<sup>6</sup> Jurkat cells were intracellularly stained with 0.5 ug Anti-Human IRF1 (11335-1-AP) and CoraLite<sup>®</sup>488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with 0.1% TritonX-100.