

## Allgemeine Informationen

## Katalog-Nr.:

11312-1-AP

## Größe:

150ul , Konzentration: 600 µg/ml von  
Nanodrop;

## Wirt:

Kaninchen

## Isotyp:

IgG

## Immunogen Katalognummer:

AG1858

## GenBank-Zugangsnummer:

BC009395

## GeneID (NCBI):

3661

## Vollständiger Name:

interferon regulatory factor 3

## Berechnete Masse:

47 kDa

## Beobachtete Masse:

50-60 kDa

## Reinigungsmethode:

Antigen-Affinitätsreinigung

## Empfohlene Verdünnungen:

WB 1:5000-1:50000

IP 0.5-4.0 µg für IP und 1:500-1:2000  
für WB

IHC 1:50-1:200

IF 1:10-1:100

## Anwendungen

## Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

## In Publikationen genannte Anwendungen:

ChIP, CoIP, IF, IHC, IP, WB

## Getestete Reaktivität:

Human

## Zitierte Arten:

Affe, Hausschwein, Human, Ratte

## Positivkontrollen:

WB : HEK-293T-Zellen, HCT 116-Zellen, HeLa-Zellen,  
humanes Hirngewebe, Jurkat-Zellen, MCF-7-Zellen,  
MDA-MB-231-Zellen, U-937-Zellen

IP : Jurkat-Zellen,

IHC : humanes Milzgewebe,

IF : HepG2-Zellen,

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Hintergrundinformationen

The virul-induced expression of interferon(IFN) genes in infected cells implicate in the interplay of several constitutively expressed and virus-activated transcription factors. A family of IFN regulatory factors(IRFs) have been shown to has a role in the transcription of IFN genes as well as IFN-stimulated genes. IRF3 is a novel key transcriptional regulator of type I IFN-dependent immune responses and involves in the innate immune response against DNA and RNA viruses, by binding to the promoters of IFN. It located in the cytoplasm of uninfected cells in an inactive form, and following viral infection, double-stranded RNA (dsRNA), or toll-like receptor (TLR) signaling, could be phosphorylated by IKKε and TBK1 kinases. This induces a conformational change, leading to its dimerization, nuclear localization and association with CREB binding protein (CREBBP) to form dsRNA-activated factor 1 (DRAF1), a complex which activates the transcription of the type I IFN and ISG genes. IRF3 exists some isoforms with MV 47-49 kDa, 33 kDa and 12-16 kDa.

## Bemerkenswerte Veröffentlichungen

| Verfasser   | Pubmed ID | Journal           | Anwendung       |
|-------------|-----------|-------------------|-----------------|
| Tianxiao Xu | 34571002  | J Invest Dermatol | WB              |
| Meidi Gu    | 25239187  | Cell Signal       | WB              |
| Zongyi Bo   | 32933581  | Vet Res           | WB,IF,CoIP,ChIP |

## Lagerung

## Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

## Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

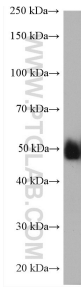
For technical support and original validation data for this product please contact:

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

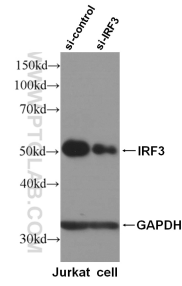
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

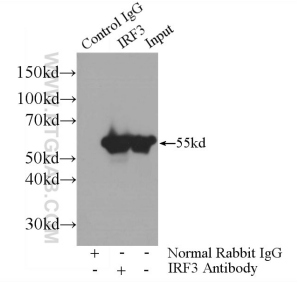
## Ausgewählte Validierungsdaten



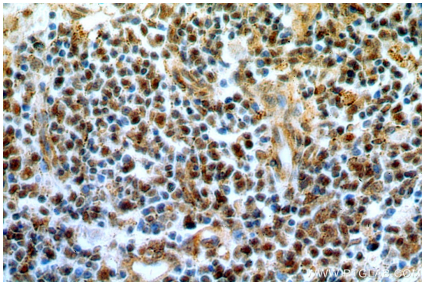
HeLa cells were subjected to SDS PAGE followed by western blot with 11312-1-AP (IRF3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



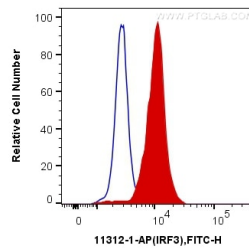
WB result of IRF3 specific antibody (11312-1-AP, 1:5000) with si-control and si-IRF3 transfected Jurkat cells.



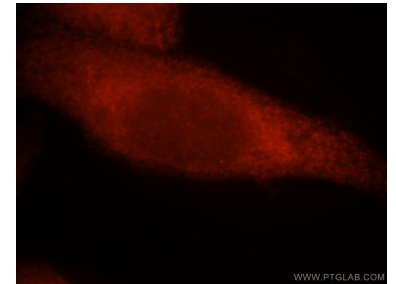
IP Result of anti-IRF3 (IP:11312-1-AP, 3ug; Detection:11312-1-AP 1:1000) with Jurkat cells lysate 2400ug.



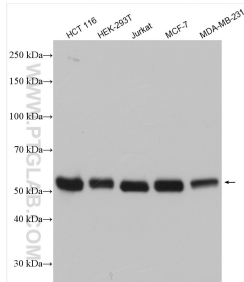
Immunohistochemical analysis of paraffin-embedded human spleen using 11312-1-AP (IRF3 antibody) at dilution of 1:50 (under 40x lens).



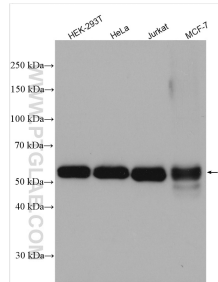
$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.2 ug Anti-Human IRF3 (11312-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



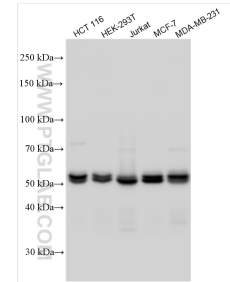
Immunofluorescent analysis of HepG2 cells, using IRF3 antibody 11312-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Various lysates were subjected to SDS PAGE followed by western blot with 11312-1-AP (IRF3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 11312-1-AP (IRF3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 11312-1-AP (IRF3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.