Leader in Biomolecular Solutions for Life Science

www.abclonal.com

# [KO Validated] IRF3 Rabbit pAb

**Catalog No.: A2172SP** KO Validated 28 Publications

## Basic Information

**Observed MW**
45-55 kDa

**Calculated MW**
12-49 kDa

**Category**
Primary antibody

**Applications**
WB,IP,IF/ICC,IHC-P,ELISA

**Cross-Reactivity**
Human, Mouse, Rat

## Background

This gene encodes a member of the interferon regulatory transcription factor (IRF) family. The encoded protein is found in an inactive cytoplasmic form that upon serine/threonine phosphorylation forms a complex with CREBBP. This complex translocates to the nucleus and activates the transcription of interferons alpha and beta, as well as other interferon-induced genes. The protein plays an important role in the innate immune response against DNA and RNA viruses. Mutations in this gene are associated with Encephalopathy, acute, infection-induced, herpes-specific, 7.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:1000 - 1:3000 |
| **IP** | 0.5 μg - 4 μg antibody for 200 μg - 400 μg extracts of whole cells |
| **IF/ICC** | 1:100 - 1:200 |
| **IHC-P** | 1:600 - 1:3000 |
| **ELISA** | Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)a sequential dilution method is strongly recommended to ensure measurement accuracy. |

## Immunogen Information

**Gene ID**
3661

**Swiss Prot**
Q14653

**Immunogen**
This information is considered to be commercially sensitive.

**Synonyms**
IIAE7

## Product Information

**Source**
Rabbit

**Isotype**
IgG

**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

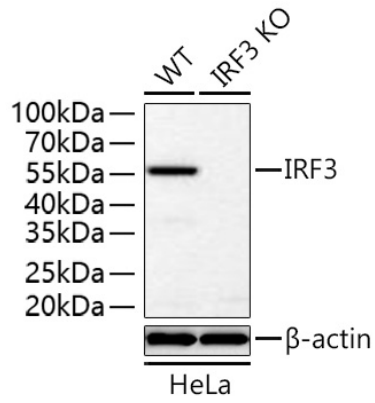
## Contact


400-999-6126

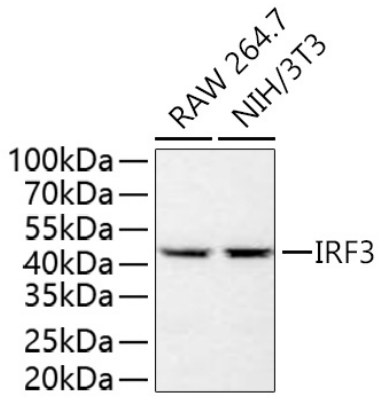
cn.market@abclonal.com.cn

www.abclonal.com.cn

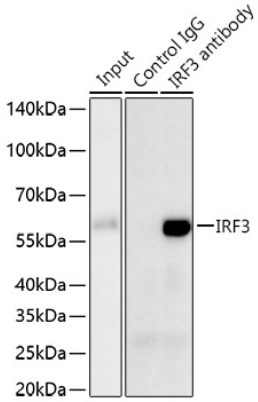
## Validation Data




Western blot analysis of lysates from wild type (WT) and IRF3 knockout (KO) HeLa cells using [KO Validated] IRF3 Rabbit pAb (A2172SP) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20 s.

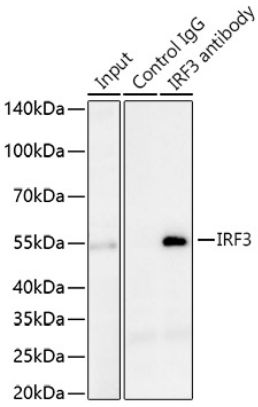



Western blot analysis of various lysates using [KO Validated] IRF3 Rabbit pAb (A2172SP) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20 s.

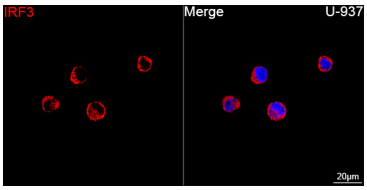



Immunoprecipitation of IRF3 from 300 µg extracts of HeLa cells was performed using 0.5 µg of [KO Validated] IRF3 Rabbit pAb (A2172SP). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KO Validated] IRF3 Rabbit pAb (A2172SP) at a dilution of 1:10000.

## Validation Data




Immunoprecipitation of IRF3 from 300 µg extracts of NIH/3T3 cells was performed using 0.5 µg of [KO Validated] IRF3 Rabbit pAb (A2172SP). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KO Validated] IRF3 Rabbit pAb (A2172SP) at a dilution of 1:10000.




Confocal imaging of U-937 cells using [KO Validated] IRF3 Rabbit pAb (A2172SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.