

[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 ($\geq 1:10000$) 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°C. 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.

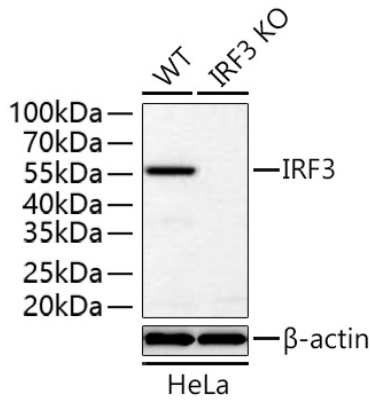
Contact

 | 400-999-6126

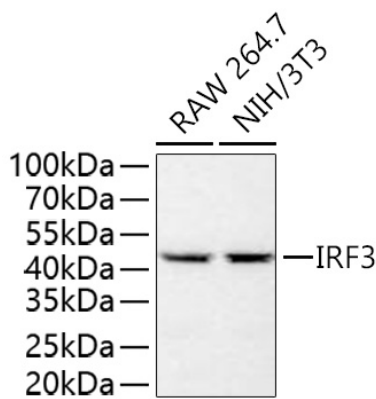
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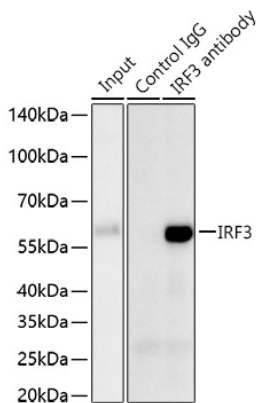
Validation Data



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°C. 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.

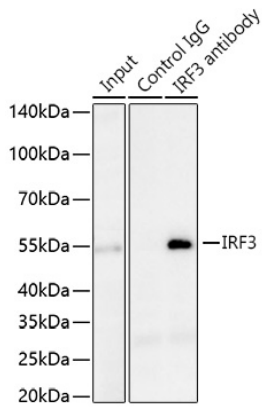


Western blot analysis of various lysates using [KO Validated] IRF3 Rabbit pAb (A2172SP) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.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

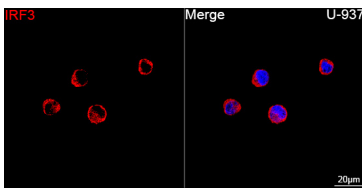


Immunoprecipitation of IRF3 from 300 µg extracts of HeLa cells was performed using 0.5 µg of [KO Validated] IRF3 Rabbit pAb (A2172SP). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. 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 μ g extracts of NIH/3T3 cells was performed using 0.5 μ g 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.