IRF3 Rabbit pAb

Catalog NO.: A2172SP KO Validated 29 Publications

Basic Information

Observed MW
45-55 kDa

Calculated MW
12-49 kDa

Category
Polyclonal Antibodies

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

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

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)

Immunogen Information

Gene ID
3661

Swiss Prot
Q14653

Immunogen
This information is considered to be commercially sensitive.

Synonyms
IIAE7

Contact

Product Information

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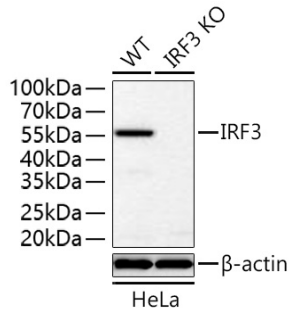
Source
Rabbit

Isotype
IgG

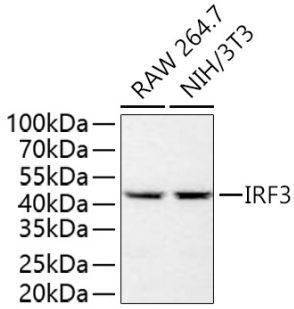
Purification
Affinity purification

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.

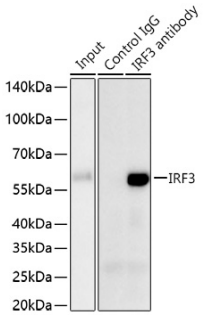
Validation Data



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.

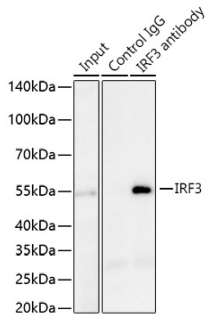


Western blot analysis of various lysates using [KO Validated] IRF3 Rabbit pAb (A2172SP) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.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

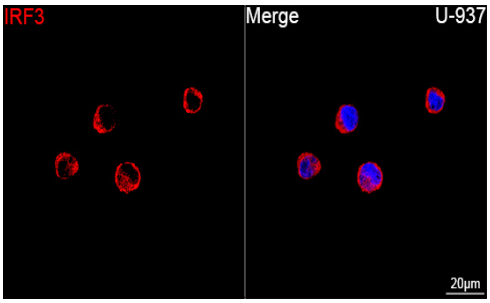


Immunoprecipitation of IRF3 from 300 µg extracts of HeLa cells was performed using 0.5 µg of [KO Validated] IRF3 Rabbit pAb (A2172SP). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input.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

For research use only. Not for therapeutic or diagnostic purposes.

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