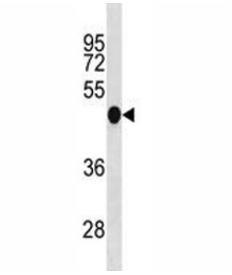
Irf3 Antibody (F47744)

Catalog No.	Formulation	Size
F47744-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F47744-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Predicted Reactivity	Bovine, Pig
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P70671
Applications	Western blot: 1:1000
Limitations	This Irf3 antibody is available for research use only.



Irf3 antibody western blot analysis in mouse liver tissue lysate. Predicted molecular weight ~47KD

Description

Mediates interferon-stimulated response element (ISRE) promoter activation. Functions as a molecular switch for antiviral activity. DsRNA generated during the course of an viral infection leads to IRF3 phosphorylation on the C-terminal serine/threonine cluster. 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 genes under the control of ISRE. The complex binds to the IE and PRDIII regions on the IFN-alpha

and IFN-beta promoters respectively. IRF-3 does not have any transcription activation domains (By similarity).

For broader characterization of IRF3-associated innate immune signaling and interferon regulatory pathways, see our IRF3 Antibody / Innate Immune Signaling Antibody page featuring clone PCRP-IRF3-6C8 with WB, IF, FACS, and HuProt(TM) microarray specificity validation data.

Application Notes

Titration of the Irf3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 46-72 from the mouse protein was used as the immunogen for this Irf3 antibody.

Storage

Aliquot the Irf3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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