

Datasheet for ABIN3031417
anti-IRF3 antibody (AA 46-72)



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2 Images

Overview

Quantity:	0.4 mL
Target:	IRF3
Binding Specificity:	AA 46-72
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRF3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 46-72 from the mouse protein was used as the immunogen for this Irf3 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine, Pig
Purification:	Antigen affinity purified

Target Details

Target:	IRF3
Alternative Name:	Irf3 (IRF3 Products)
Background:	Mediates interferon-stimulated response element (ISRE) promoter activation. Functions as a

Target Details

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).

UniProt:	P70671
Pathways:	TLR Signaling , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Hepatitis C , Toll-Like Receptors Cascades

Application Details

Application Notes:	Titration of the Irf3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the Irf3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Irf3 antibody western blot analysis in mouse liver tissue lysate. Predicted molecular weight ~47KD



Western Blotting

Image 2. Irf3 antibody western blot analysis in mouse liver tissue lysate. Predicted molecular weight ~47KD