

Datasheet for ABIN1881465
anti-IRF3 antibody (N-Term)



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Overview

Quantity:	400 µL
Target:	IRF3
Binding Specificity:	AA 46-72, N-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRF3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Mouse Irf3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 46-72 amino acids from the N-terminal region of mouse Irf3.
Clone:	RB42372
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pig
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	IRF3
Alternative Name:	Irf3 (IRF3 Products)

Target Details

Background:	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).
Molecular Weight:	46852
NCBI Accession:	NP_058545
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:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	Marichal, Bedoret, Mesnil, Pichavant, Goriely, Trottein, Cataldo, Goldman, Lekeux, Bureau, Desmet: "Interferon response factor 3 is essential for house dust mite-induced airway allergy." in: The Journal of allergy and clinical immunology , Vol. 126, Issue 4, pp. 836-844.e13, (2010) (
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[PubMed](#)).

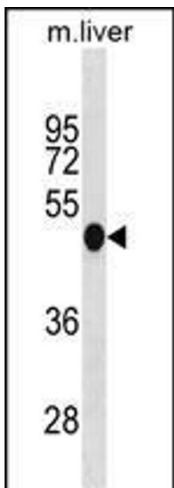
Menachery, Pasieka, Leib: "Interferon regulatory factor 3-dependent pathways are critical for control of herpes simplex virus type 1 central nervous system infection." in: **Journal of virology**, Vol. 84, Issue 19, pp. 9685-94, (2010) ([PubMed](#)).

Carrigan, Junkins, Yang, Macneil, Richardson, Johnston, Lin: "IFN regulatory factor 3 contributes to the host response during Pseudomonas aeruginosa lung infection in mice." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 185, Issue 6, pp. 3602-9, (2010) ([PubMed](#)).

Wang, Basagoudanavar, Wang, Hopewell, Albrecht, García-Sastre, Balachandran, Beg: "NF-kappa B RelA subunit is crucial for early IFN-beta expression and resistance to RNA virus replication." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 185, Issue 3, pp. 1720-9, (2010) ([PubMed](#)).

Farlik, Reutterer, Schindler, Greten, Vogl, Müller, Decker: "Nonconventional initiation complex assembly by STAT and NF-kappaB transcription factors regulates nitric oxide synthase expression." in: **Immunity**, Vol. 33, Issue 1, pp. 25-34, (2010) ([PubMed](#)).

Images



Western Blotting

Image 1. MOUSE Irf3 Antibody (N-term) (ABIN1881465 and ABIN2838961) western blot analysis in mouse liver tissue lysates (35 µg/lane). This demonstrates the MOUSE Irf3 antibody detected the MOUSE Irf3 protein (arrow).