

Datasheet for ABIN3023115

**anti-IRF3 antibody****2** Images**2** Publications[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	IRF3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRF3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

## Product Details

Immunogen:	A synthetic peptide of human IRF3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	IRF3
Alternative Name:	IRF3 ( <a href="#">IRF3 Products</a> )
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

## Target Details

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activates the transcription of interferons alpha and beta, as well as other interferon-induced genes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.,IIAE7,IRF3,Epigenetics & Nuclear Signaling,Transcription Factors,Immunology & Inflammation,Cytokines,Interferons,Toll-like Receptor Signaling Pathway,Cell Intrinsic Innate Immunity Signaling Pathway,TLR Signaling,IRF3

Molecular Weight: 12 kDa/16 kDa/33 kDa/47 kDa/49 kDa

Gene ID: 3661

UniProt: [Q14653](#)

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid freeze / thaw cycles

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Publications

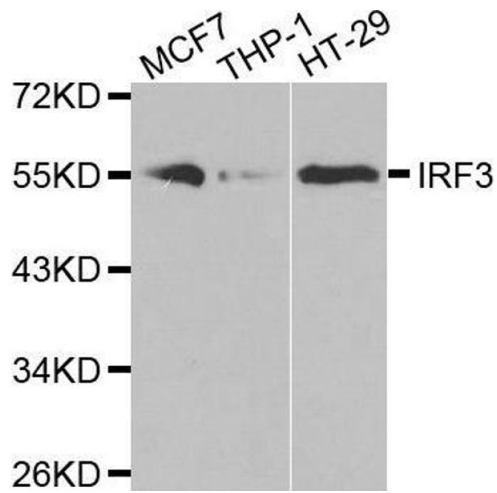
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Product cited in: Qian, Fan, Liu, Wu, Zhang, Cui, Zhou, Hu, Wei, Chen, Li, Qian: "Seneca Valley Virus Suppresses Host Type I Interferon Production by Targeting Adaptor Proteins MAVS, TRIF, and TANK for Cleavage." in: **Journal of virology**, Vol. 91, Issue 16, (2017) ([PubMed](#)).

Zhong, Wang, Fang, Zhang, Luo, Shang, Ouyang, Ouyang, Chen, Xiao: "Ubiquitin-specific

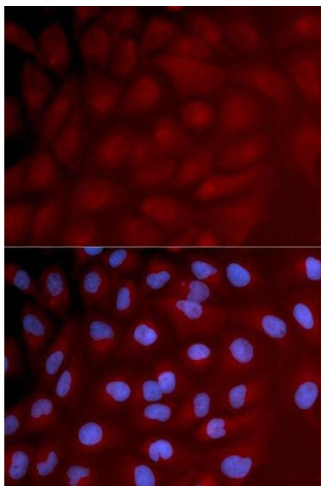
proteases 25 negatively regulates virus-induced type I interferon signaling." in: **PLoS ONE**, Vol. 8, Issue 11, pp. e80976, (2013) ([PubMed](#)).

Images



**Western Blotting**

**Image 1.** Western blot analysis of extracts of various cell lines, using IRF3 antibody.



**Immunofluorescence**

**Image 2.** Immunofluorescence analysis of U2OS cell using IRF3 antibody. Blue: DAPI for nuclear staining.