

Datasheet for ABIN4911171
anti-IRF3 antibody



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1 Image

Overview

Quantity:	100 µL
Target:	IRF3
Reactivity:	Human, Green Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IRF3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Flow Cytometry (FACS)

Product Details

Immunogen:	This IRF3 antibody is generated from a mouse immunized with a recombinant protein.
Clone:	2C4
Isotype:	IgG1
Cross-Reactivity:	Human
Cross-Reactivity (Details):	African Green Monkey
Purification:	Purified by Protein G.

Target Details

Target:	IRF3
Alternative Name:	IRF3 (IRF3 Products)

Target Details

Background:	Synonyms: IIAE7, Interferon regulatory factor 3, IRF-3, IRF3 Background: Key transcriptional regulator of type I interferon (IFN)-dependent immune responses which plays a critical role in the innate immune response against DNA and RNA viruses. Regulates the transcription of type I IFN genes (IFN-alpha and IFN-beta) and IFN-stimulated genes (ISG) by binding to an interferon-stimulated response element (ISRE) in their promoters. Acts as a more potent activator of the IFN-beta (IFNB) gene than the IFN-alpha (IFNA) gene and plays a critical role in both the early and late phases of the IFNA/B gene induction. Found in an inactive form in the cytoplasm of uninfected cells and following viral infection, double-stranded RNA (dsRNA), or toll-like receptor (TLR) signaling, is phosphorylated by IKBKE and TBK1 kinases. This induces a conformational change, leading to its dimerization and nuclear localization and association with CREB binding protein (CREBBP) to form dsRNA-activated factor 1 (DRAFI), a complex which activates the transcription of the type I IFN and ISG genes. Can activate distinct gene expression programs in macrophages and can induce significant apoptosis in primary macrophages.
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

Application Notes:	WB 1:300-5000 FCM 1:20-100 IHC-P 1:200-400 IF(ICC) 1:50-200 IF()
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunofluorescence (Cultured Cells)

Image 1. Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa cells labeled with IRF3 (1522CT766.58.24) Monoclonal Antibody (bsm-51312M) at 1/25 dilution, followed by secondary antibody (green), cytoplasmic actin staining (red), and nuclear counter stain with DAPI (blue).