Product Datasheet

IRF-3 (Ab-396) Antibody

Catalog No: #21681

Package Size: #21681-1 50ul   #21681-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	IRF-3 (Ab-396) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total IRF-3 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.394-398(H-I-S-N-S) derived from Human IRF-3.
Target Name	IRF-3
Other Names	interferon regulatory factor 3,
Accession No.	Swiss-Prot:Q14653Gene ID:3661
Uniprot	Q14653
GeneID	3661;
Concentration	1.0mg/ml

Application Details

Predicted MW: 45-55kd

Western blotting: 1: 500~1: 1000

Images
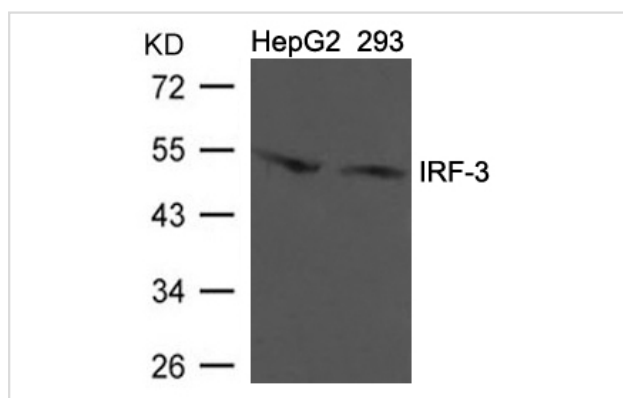
Western blot analysis of extracts from HepG2 and 293 cells using IRF-3 (Ab-396) Antibody #21681.

Background

Key transcriptional regulator of type I interferon (IFN)-dependent immune responses and 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

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uninfected cells and following viral infection, double-stranded RNA (dsRNA), or toll-like receptor (TLR) signaling, becomes 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 (DRAF1), 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.

Note: This product is for in vitro research use only