

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

35-1849: Polyclonal Antibody to IRF-3 (Ab-396)

Clonality: Polyclonal
Application: WB
Reactivity: Human
Gene: IRF3
Gene ID: 3661

 Gene ID :
 3661

 Uniprot ID :
 Q14653

 Format :
 Purified

Alternative Name: interferon regulatory factor 3

Isotype: Rabbit IgG

Immunogen Information: Peptide sequence around aa.394-398(H-I-S-N-S) derived from Human IRF-3.

Description

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 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.

Product Info

 Amount :
 50 μl / 100 μl

 Content :
 1.0 mg/ml,100 μl

Storage condition:

Storage condition:

Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Predicted MW: 45-55kd, Western blotting: 1: 500~1: 1000



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

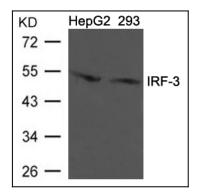


Figure 1: Western blot analysis of extracts from HepG2 and 293 cells using IRF-3 (Ab-396) Antibody 35-1849 .