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

**Clonality:** Polyclonal

Application: WB
Reactivity: Human
Gene: IRF3
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 :** 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

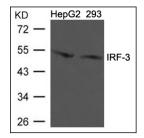


Figure 1: Western blot analysis of extracts from HepG2 and 293 cells using IRF-3 (Ab-396) Antibody 35-1849.