

Code No. 18783

**Anti-Human  
IRF-3 (S386 Phosphorylated) Rabbit IgG Affinity Purify**

Volume : 100 µg

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**Introduction** : Regulatory transcription factor IRF-3 plays a critical role in the regulation of innate immune responses, especially production of IFN- $\alpha/\beta$ , against viral and bacterial infections. IRF-3 is ubiquitously expressed in its inactive form in the cytoplasm. Viral infection induces phosphorylation of the Ser 386 in IRF-3 by IRF-3 kinase (IKK-i/ $\epsilon$ , TBK-1). This phosphorylation induces dimerization of IRF-3 and association with the coactivators CBP/p300, and the complex activates the target genes in the nucleus.

**Antigen** : Synthetic peptide of the Phosphorylated C-terminal part of human IRF-3 (RVGGAS(pS)LEN)

**Purification** : Purified with antigen peptide

**Form** : Lyophilized product from 1 % BSA in PBS containing 0.05 % NaN<sub>3</sub>

**How to use** : 1.0 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

**Stability** : Lyophilized product, 5 years at 2 – 8 °C  
: Solution, 2 years at –20 °C

**Application** : This antibody can be used for western blotting in concentration of about 2 µg /mL. As this antibody is not suitable for western blotting by SDS-PAGE gel, we recommend Native-PAGE.

**Reference** : 1. Mori M, Yoneyama M, Ito T, Takahashi K, Inagaki F, Fujita T. Identification of Ser-386 of interferon regulatory factor 3 as critical target for inducible phosphorylation that determines activation. J Biol Chem. 2004 Mar 12;279(11):9698-702.

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