

## IRF-3 (A379) polyclonal antibody

Catalog: BS1542

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

IRF-3 can inhibit cell growth and plays a critical role in controlling the expression of genes in the innate immune response. In unstimulated cells, IRF-3 is present in the cytoplasm. Viral infection results in phosphorylation of IRF-3 and leads to its translocation to the nucleus where it activates promoters containing IRF-3-binding sites. Phosphorylation of IRF-3 occurs at a cluster of C-terminal Ser and Thr residues (between 385 and 405), leading to its association with the p300/CBP coactivator protein that promotes DNA binding and transcriptional activity. During infection, IRF-3 is likely activated through a pathway that includes activation of Toll-like receptors and a kinase complex that includes IKK $\epsilon$  and TBK1. IRF-3 is phosphorylated at Ser396 following viral infection, expression of viral nucleocapsid, and double-stranded RNA treatment. These events likely play a role in activation of IRF-3.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 47, 55 kDa

### Swiss-Prot:

Q14653

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC: 1:50~1:200

IF: 1:50~1:200

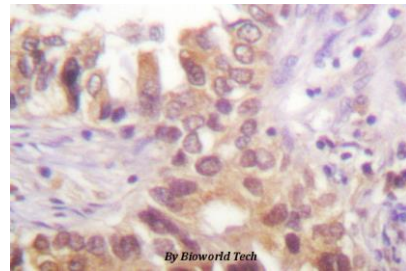
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

IRF-3 (A379) polyclonal antibody detects endogenous levels of IRF-3 protein.

### DATA:



Immunohistochemistry (IHC) analyzes of IRF-3 (A379) pAb in paraffin-embedded human lung carcinoma tissue.

### Note:

For research use only, not for use in diagnostic procedure.

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