

IRF-3 (phospho-S385) polyclonal antibody

Catalog: BS4609

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 ϵ 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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 47, 55 kDa

Swiss-Prot:

Q14653

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

Storage&Stability:

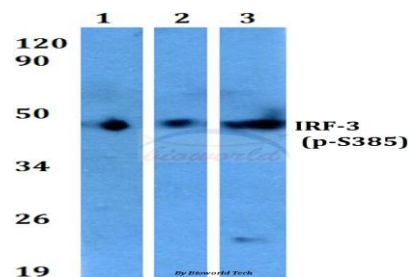
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

p-IRF-3 (S385) polyclonal antibody detects endogenous levels of IRF-3 protein only when phosphorylated at Ser385

DATA:

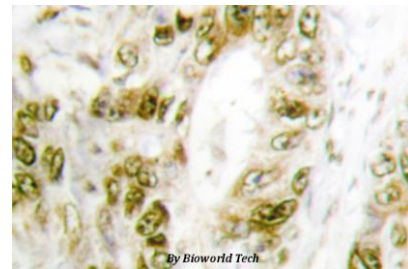


Western blot (WB) analysis of p-IRF-3 (S385) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate treated with PMA(100nM,15mins)

Lane2:Raw264.7 cell lysate treated with PMA(100nM,15mins)

Lane3:PC12 cell lysate treated with PMA(100nM,15mins)



Immunohistochemistry (IHC) analyzes of p-IRF-3 (S385) pAb in paraffin-embedded human colon carcinoma and breast carcinoma tissue.

Note:

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

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