

**IRF3 (Phospho-S385) polyclonal antibody**

Catalog: BS4609

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Interferon regulatory factor-1 (IRF-1) and IRF-2 have been identified as novel DNA-binding factors that function as regulators of both type I interferon (interferon- α and β) and interferon-inducible genes. The two factors are structurally related, particularly in their N-terminal regions, which confer DNA binding specificity. In addition, both bind to the same sequence within the promoters of interferon- α and interferon- β genes. IRF-1 functions as an activator of interferon transcription, while IRF-2 binds to the same cis elements and represses IRF-1 action. IRF-1 and IRF-2 have been reported to act in a mutually antagonistic manner in regulating cell growth; overexpression of the repressor IRF-2 leads to cell transformation while concomitant overexpression of IRF-1 causes reversion. IRF-1 and IRF-2 are members of a larger family of DNA binding proteins that includes IRF-3, IRF-4, IRF-5, IRF-6, IRF-7, ISGF-3 γ p48 and IFN consensus sequence-binding protein (ICSBP).

Product:

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

Molecular Weight:

~ 47 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: 1:100~1:200

IF/ICC: 1:100~1:500

Storage&Stability:

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

Specificity:

IRF3 (Phospho-S385) polyclonal antibody detects endogenous levels of IRF3 protein only when phosphorylated at Ser385.

DATA:

Western blot analysis of IRF3 (Phospho-S385) expression in HEK293T (A), HT29 (B) whole cell lysates.

Immunohistochemical analysis of IRF3 (Phospho-S385) staining in human breast cancer formalin fixed paraffin embedded tissue section.

Immunofluorescent analysis of IRF3 (Phospho-S385) staining in HeLa cells.

Note:

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

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