

IRF3 Rabbit pAb

Catalog Number: bs-2993R

Target Protein: IRF3

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (2ug/Test)

Reactivity: Human, Mouse, Rat (predicted:Pig, Cow, Dog, Horse)

Predicted MW: 47 kDa

Entrez Gene: 3661

Swiss Prot: Q14653

Source: KLH conjugated synthetic peptide derived from human IRF3: 51-150/427.

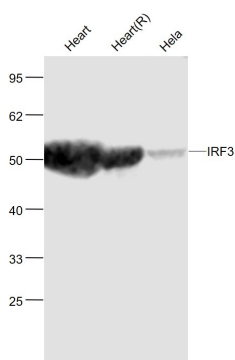
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

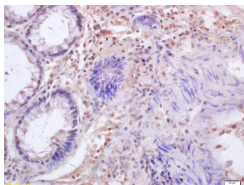
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a member of the interferon regulatory transcription factor (IRF) family. The encoded protein is found in an inactive cytoplasmic form that upon serine/threonine phosphorylation forms a complex with CREBBP. This complex translocates to the nucleus and activates the transcription of interferons alpha and beta, as well as other interferon-induced genes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011].

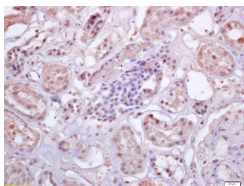
VALIDATION IMAGES



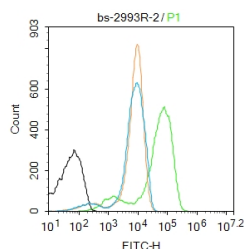
Sample: Heart(Mouse) Lysate at 40 ug Heart(Rat) Lysate at 40 ug HeLa(Human) Cell Lysate at 30 ug Primary: Anti-IRF3 (bs-2993R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 50 kD



Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-IRF3 Polyclonal Antibody, Unconjugated(bs-2993R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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Blank control:Jurkat. Primary Antibody (green line): Rabbit Anti-IRF3 antibody (bs-2993R) Dilution: 2μg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 1μg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=8.823] Wang Shang. et al. Early activation of Toll-like receptor-3 reduces the pathological progression of Alzheimer' s disease in APP/PS1 mouse. ALZHEIMERS RES THER. 2023 Dec;15(1):1-17 WB ; Mouse . 36797783

[IF=8] Xiaomei Jiang. et al. A pH-Sensitive Nanoparticle as Reactive Oxygen Species Amplifier to Regulate Tumor Microenvironment and Potentiate Tumor Radiotherapy. INT J NANOMED. 2024 Jan 22 WB ; Mouse . 10.2147/IJN.S436160

[IF=6.8] Hong-Fei Wang. et al. Jujuboside B alleviates acetaminophen-induced hepatotoxicity in mice by regulating Nrf2-STING signaling pathway. ECOTOX ENVIRON SAFE. 2024 Jan;269:115810 WB ; Mouse . 38100849

[IF=5.6] Lihui Chen. et al. Bmp4 in Zebrafish Enhances Antiviral Innate Immunity through p38 MAPK (Mitogen-Activated Protein Kinases) Pathway. INT J MOL SCI. 2023 Jan;24(19):14444 WB ; Zebrafish . 37833891

[IF=5.2] Tao Lv. et al. USP35 promotes hepatocellular carcinoma progression by protecting PKM2 from ubiquitination-mediated degradation. INT J ONCOL. 2023 Oct;63(4):1-15 WB ; Human . 37594129