bs-3196R **[Primary Antibody]**

Phospho-IRF7 (Ser471 + Ser472) Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3665 **SWISS:** Q92985

Target: Phospho-IRF7 (Ser471 + Ser472)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human IRF7 around the phosphorylation site of Ser471/472: GV(p-S)(p-S)LD.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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: IRF7 encodes interferon regulatory factor 7, a member of the interferon regulatory transcription factor (IRF) family. IRF7 has been shown to play a role in the transcriptional activation of virus-inducible cellular genes, including interferon beta chain genes. Inducible expression of IRF7 is largely restricted to lymphoid tissue. Multiple IRF7 transcript variants have been identified, although the functional consequences of these have not yet been established. [provided by RefSeq, Jul 2008]

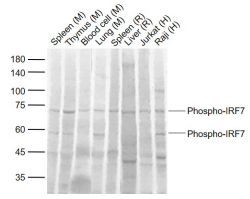
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100)

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

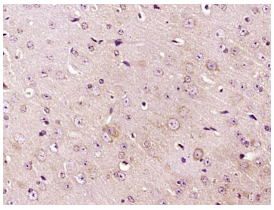
Predicted MW.: 54 kDa

Subcellular Location: Cytoplasm ,Nucleus

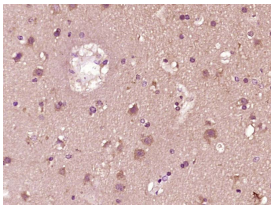
VALIDATION IMAGES



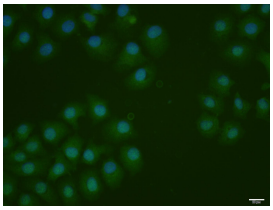
Sample: Lane 1: Mouse Spleen tissue lysates Lane 2: Mouse Thymus tissue lysates Lane 3: Mouse Blood cell lysates Lane 4: Mouse Lung tissue lysates Lane 5: Rat Spleen tissue lysates Lane 6: Rat Liver tissue lysates Lane 7: Human Jurkat cell lysates Lane 8: Human Raji cell lysates Primary: Anti-Phospho-IRF7 (Ser471 + Ser472) (bs-3196R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kD Observed band size: 70,55 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-IRF7 (Ser471 + Ser472)) Polyclonal Antibody, Unconjugated (bs-3196R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-IRF7 (Ser471 + Ser472)) Polyclonal Antibody, Unconjugated (bs-3196R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-IRF7 (Ser471 + Ser472)) polyclonal Antibody,

Unconjugated (bs-3196R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

SELECTED CITATIONS

- **[IF=8.786]** HuiDan Deng. et al. Mfn2 is responsible for inhibition of the RIG-I/IRF7 pathway and activation of NLRP3 inflammasome in Seneca Valley virus-infected PK-15 cells to promote viral replication. FRONT IMMUNOL. 2022; 13: 955671 WB ;Pig. 35958608
- **[IF=8.14]** Han, Young Woo, et al. " Distinct Dictation of Japanese Encephalitis Virus-Induced Neuroinflammation and Lethality via Triggering TLR3 and TLR4 Signal Pathways." PLoS Pathogens 10(9) (2014): e103882. WB ;="Mouse". 25188232
- **[IF=6.286]** Jianhao Yang. et al. Serum amyloid A regulates TLR2/4-mediated IFN-β signaling pathway against Marek's disease virus. VIRUS RES. 2023 Jan;:199044 WB ;Chicken. 36652973
- **[IF=5.9]** Shengyang Zhou. et al.The cGAS-STING-interferon regulatory factor 7 pathway regulates neuroinflammation in Parkinson's disease.neural regeneration research.2025 Aug 1;20(8):2361-2372. Western blot, IF ;Mouse. 39359093
- **[IF=5.9]** Zhou Shengyang. et al. The cGAS-STING-interferon regulatory factor 7 pathway regulates neuroinflammation in Parkinson’ s disease. NEURAL REGEN RES. 2024 Jun;:10.4103/NRR.NRR WB,IF ;Mouse. 10.4103/NRR.NRR-D-23-01684