

bs-3428R**[Primary Antibody]****phospho-Stat2 (Tyr690) Rabbit pAb****Bioss**
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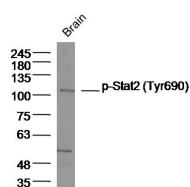
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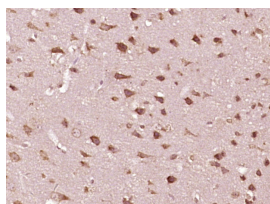
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 6773	SWISS: P52630	IHC-F (1:100-500)
Target: Stat2 (Tyr690)		IF (1:100-500)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Stat2 around the phosphorylation site of Tyr690: RK(p-Y)LK.		Reactivity: Mouse (predicted: Human, Rat, Dog, Horse)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 94 kDa
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.		Subcellular Location: Cytoplasm ,Nucleus
Background: The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. In response to interferon (IFN), this protein forms a complex with STAT1 and IFN regulatory factor family protein p48 (ISGF3G), in which this protein acts as a transactivator, but lacks the ability to bind DNA directly. Transcription adaptor P300/CBP (EP300/CREBBP) has been shown to interact specifically with this protein, which is thought to be involved in the process of blocking IFN-alpha response by adenovirus. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010].		

— VALIDATION IMAGES —

Sample: Brain (Mouse) Lysate at 40 ug Primary: Anti-Phospho-Stat2 (Tyr690)(bs-3428R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 94kD Observed band size: 105kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); 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 (Stat2 (Tyr690)) Polyclonal Antibody, Unconjugated (bs-3428R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=10.7]** Cheng Zhang. et al. Secreted PTEN binds PLXDC2 on macrophages to drive antitumor immunity and tumor suppression. DEV CELL. 2024 八月 27 **WB ;Mouse**. 39197453
- **[IF=7.9]** Yuzhuo Fan. et al. Immunoregulatory cryogel-based contact lenses for bacterial keratitis prevention and

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- treatment. Cell Reports Physical Science. 2024 Sep;5: IHC ;Mouse. 10.1016/j.xcrp.2024.102179
- **[IF=8.4]** Han Ying-Hao. et al. Peroxiredoxin II regulates exosome secretion from dermal mesenchymal stem cells through the ISGylation signaling pathway. CELL COMMUN SIGNAL. 2023 Dec;21(1):1-15 WB ;Mouse. 37864270
 - **[IF=6.304]** Chen Y et al. Dendritic cells-derived interferon- λ 1 ameliorated inflammatory bone destruction through inhibiting osteoclastogenesis. Cell Death Dis. 2020 Jun 2;11(6):414. WB ;Mouse. 32488049
 - **[IF=6.291]** Changjiang Liu. et al. Cypermethrin triggers YY1-mediated testosterone biosynthesis suppression. Ecotox Environ Safe. 2021 Dec;225:112792 WB ;Rat. 10.1016/j.ecoenv.2021.112792