

**bs-3430R****[ Primary Antibody ]****phospho-Stat4 (Tyr693) Rabbit pAb****Bioss**  
**ANTIBODIES**

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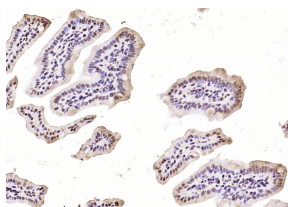
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 6775	<b>SWISS:</b> Q14765	
<b>Target:</b> Stat4 (Tyr693)		<b>Reactivity:</b> Mouse (predicted: Human, Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse)
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human Stat4 around the phosphorylation site of Tyr693: KG(p-Y)VP.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 82 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Storage:</b> 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.		
<b>Background:</b> The protein encoded by this gene is a member of the STAT family of transcription factors. 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. This protein is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. Mutations in this gene may be associated with systemic lupus erythematosus and rheumatoid arthritis. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Aug 2011].		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (mouse intestine 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 (Phospho-Stat4 (Tyr693)) Polyclonal Antibody, Unconjugated (bs-3430R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=7.9]** Tiantian Wang. et al. Baicalein alleviates cardiomyocyte death in EAM mice by inhibiting the JAK-STAT1/4 signalling pathway. PHYTOMEDICINE. 2024 Jun;128:155558 WB,IF ;Mouse. 38547614
- **[IF=7.4]** Jiannan Zhou. et al. Downregulated GPX4 in salivary gland epithelial cells contributes to salivary secretion dysfunction in Sjogren's syndrome via lipid ROS/pSTAT4/AQP5 axis. FREE RADICAL BIO MED. 2024 Jun;218:1 IHC,IF,WB ;Mouse,Human. 38574973

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=5.714]** Chenglin Li. et al. Ranitidine as an adjuvant regulates macrophage polarization and activates CTLs through the PI3K-Akt2 signaling pathway. INT IMMUNOPHARMACOL. 2023 Mar;116:109729 WB ;Mouse. 10.1016/j.intimp.2023.109729
- **[IF=3.943]** Le Tian. et al. Luteolin as an adjuvant effectively enhances CTL anti-tumor response in B16F10 mouse model. Int Immunopharmacol. 2021 May;94:107441 WB ;Mouse. 33611060
- **[IF=3.8]** Kexin Wang. et al. Lactobacillus salivarius ameliorates Mycoplasma gallisepticum-induced inflammation via the JAK/STAT signaling pathway involving respiratory microbiota and metabolites. POULTRY SCI. 2024 Jun;:103942 WB ;Chicken. 38908119