

bs-1791R**[Primary Antibody]****phospho-STAT6 (Tyr641) Rabbit pAb****BioSS**
ANTIBODIES

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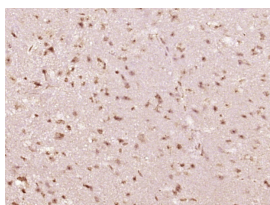
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000)
Clonality: Polyclonal		
GeneID: 6778	SWISS: P42226	
Target: STAT6 (Tyr641)		Reactivity: Mouse, Rabbit (predicted: Human, Rat, Pig, Cow, Horse)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human STAT6 around the phosphorylation site of Tyr641: RG(p-Y)V.		
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 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 plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X (L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. Also known as: signal transducers and activators of transduction 6; D12S1644; IL 4 STAT; IL4 STAT; Interleukin 4 Induced; Interleukin 4 Induced Transcription Factor IL4 STAT; Signal Transducer And Activator Of Transcription 6 Interleukin 4 Induced; Signal Transducer And Activator Of Transcription 6 Nirs Variant 1; STAT 6; STAT interleukin4 induced; STAT6B; STAT6C; Transcription factor IL 4 STAT.		

— VALIDATION IMAGES —

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-STAT6 (Tyr641)) Polyclonal Antibody, Unconjugated (bs-1791R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=17.521]** Yi Yan. et al. Nanomedicines Reprogram Synovial Macrophages by Scavenging Nitric Oxide and Silencing

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

- CA9 in Progressive Osteoarthritis. *Advanced Science*. 2023 Feb;;2207490 WB ;Mouse. 36748885
- **[IF=9.5]** Changjun Chen. et al. Engineered Exosome-Functionalized Extracellular Matrix-Mimicking Hydrogel for Promoting Bone Repair in Glucocorticoid-Induced Osteonecrosis of the Femoral Head. *ACS APPL MATER INTER*. 2023;XXXX(XXX):XXX-XXX WB ;Mouse. 37305922
 - **[IF=5.714]** Lu Yu. et al. Secoisolariciresinol diglucoside-derived metabolite, enterolactone, attenuates atopic dermatitis by suppressing Th2 immune response. *INT IMMUNOPHARMACOL*. 2022 Oct;111:109039 WB ;Mouse. 35914449
 - **[IF=4.8]** Peng, Shuying. et al. Canthaxanthin ameliorates atopic dermatitis in mice by suppressing Th2 immune response. *INTERNATIONAL IMMUNOPHARMACOLOGY*. 2025 Feb 6;147:113975. Flow cytometry ;Mouse. 39787760
 - **[IF=3.115]** Jing L et al. Srolo Bzhtang, a traditional Tibetan medicine formula, inhibits cigarette smoke induced airway inflammation and muc5ac hypersecretion via suppressing IL-13/STAT6 signaling pathway in rats. *J Ethnopharmacol*. 2019 May 10;235:424-434. WB ;Rat. 30731182