

bs-55208R**[Primary Antibody]****STAT3 Rabbit pAb****BioSS**
ANTIBODIES

www.bioss.com.cn

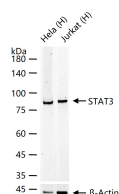
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		
GeneID: 6774	SWISS: P40763	
Target: STAT3		
Immunogen: Recombinant human STAT3: 640-770.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Reactivity: Human
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.		Predicted MW.: 88 kDa
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. This protein is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Mutations in this gene are associated with infantile-onset multisystem autoimmune disease and hyper-immunoglobulin E syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Sep 2015]		Subcellular Location: Cytoplasm ,Nucleus

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with STAT3 polyclonal antibody, unconjugated (bs-55208R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

— SELECTED CITATIONS —

- **[IF=17.4]** Hui Yan. et al. Elaboration a ROS-responsive darutigenol prodrug nanoassemblies for inflammatory arthritis treatment. NANO TODAY. 2024 Apr;55:102220 WB ;Mouse. 10.1016/j.nantod.2024.102220
- **[IF=11.4]** Zhenzhen Ye. et al. Gastric cancer-derived exosomal let-7xa0g-5p mediated by SERPINE1 promotes macrophage M2 polarization and gastric cancer progression. JOURNAL OF EXPERIMENTAL & CLINICAL CANCER RESEARCH. 2025 Jan 2;44(1):2. IF ;Rabbit. 39748408

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

- **[IF=7.3]** Zhijie Wang. et al. Discovery of a Bromodomain and Extra Terminal Domain (BET) Inhibitor with the Selectivity for the Second Bromodomain (BD2) and the Capacity for the Treatment of Inflammatory Diseases. J MED CHEM. 2023;XXXX(XXX):XXX-XXX WB ;Mouse. 37478496
- **[IF=6.63]** Guo, Zhi-chen. et al. Porphyromonas gingivalis promotes the progression of oral squamous cell carcinoma by activating the neutrophil chemotaxis in the tumour microenvironment. CANCER IMMUNOL IMMUN. 2022 Dec;;1-17 WB ;Mouse. 36513851
- **[IF=5.988]** Yeke Wu. et al. Aconiti lateralis radix praeparata total alkaloids exert anti-RA effects by regulating NF-κB and JAK/STAT signaling pathways and promoting apoptosis.. FRONT PHARMACOL. 2022 Sep;13:980229-980229 WB ;Human. 36120302