

bs-1657R**[Primary Antibody]****phospho-STAT1 (Tyr701) Rabbit pAb****BioSS**
ANTIBODIES

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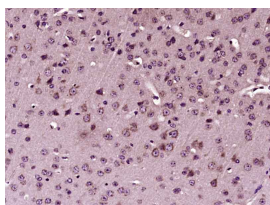
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 6772	SWISS: P42224	IF (1:100-500)
Target: STAT1 (Tyr701)		Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Dog)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human STAT1 around the phosphorylation site of Tyr701: TG(p-Y)IK.		Predicted MW.: 82 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cytoplasm ,Nucleus
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: 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. The protein encoded by this gene can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. The protein plays an important role in immune responses to viral, fungal and mycobacterial pathogens. Mutations in this gene are associated with Immunodeficiency 31B, 31A, and 31C. [provided by RefSeq, Jun 2020]		

— 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-STAT1 (Tyr701))
Polyclonal Antibody, Unconjugated (bs-1657R)
at 1:400 overnight at 4°C, followed by operating
according to SP Kit(Rabbit) (sp-0023)
instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=14.7]** Li Yin. et al. Macrophage P2Y6R activation aggravates psoriatic inflammation through IL-27-mediated Th1 responses. ACTA PHARM SIN B. 2024 Jun;; WB ;Mouse. 10.1016/j.apsb.2024.06.008
- **[IF=10.9]** Kevin Chih-Yang Huang. et al. Original research: Colorectal cancer-specific IFN β delivery overcomes dysfunctional dsRNA-mediated type I interferon signaling to increase the abscopal effect of radiotherapy. J IMMUNOTHER CANCER. 2024; 12(5): e008515 WB ;Human. 38749537
- **[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=3.36]** Iriyama et al. Direct effect of dasatinib on signal transduction pathways associated with a rapid mobilization of cytotoxic lymphocytes. (2016) Cancer.Med. 5:3223-3234 FCM,Other ;Human. 27726309
- **[IF=2.985]** Yanyan Lu. et al. Silencing IFN γ inhibits A1 astrocytes and attenuates neurogenesis decline and cognitive impairment in endotoxemia. Biochem Bioph Res Co. 2020 Dec;533:1519 WB,IHC ;Mouse. 33158480