

bsm-52209R**[Primary Antibody]****BioSS**
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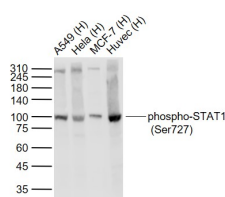
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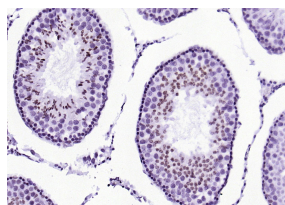
400-901-9800

phospho-STAT1 (Ser727) Recombinant Rabbit mAb**— DATASHEET —**

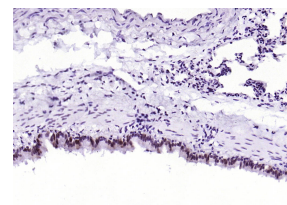
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-1000) IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200) Reactivity: Human, Mouse, Rat Predicted MW.: 87 kDa Subcellular Location: Cytoplasm ,Nucleus
Clonality: Recombinant	CloneNo.: 8A1	
GeneID: 6772	SWISS: P42224	
Target: STAT1 (Ser727)		
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human STAT1 around the phosphorylation site of Ser727: PM(p-S)PE.		
Purification: affinity purified by Protein A		
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 —

Sample: Lane 1: A549 (Human) Cell Lysate at 30 ug
 Lane 2: HeLa (Human) Cell Lysate at 30 ug
 Lane 3: MCF-7 (Human) Cell Lysate at 30 ug
 Lane 4: Huvec (Human) Cell Lysate at 30 ug
 Primary: Anti-phospho-STAT1 (Ser727) (bsm-52209R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 91/84 kD
 Observed band size: 91 kD



Paraformaldehyde-fixed, paraffin embedded (rat testis); 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 (Ser727)) Monoclonal Antibody, Unconjugated (bsm-52209R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat lung); 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 (Ser727)) Monoclonal Antibody, Unconjugated (bsm-52209R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=11.7]** Ran Cheng. et al. Intratumoral antigen-presenting cell activation by a nanovesicle for the concurrent tertiary lymphoid structure de novo neogenesis. *science advances*. 2025 Feb 21;11(8):eadr1299. ;Mouse. 39970209
- **[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=5.34]** Dian-Dong Hou. et al. Therapeutic effects of myricetin on atopic dermatitis in vivo and in vitro. *PHYTOMEDICINE*. 2022 Jul;102:154200 WB ;Mouse. 35671605
- **[IF=2.5]** Jie Luo. et al. Xin Sheng Hua Granule ameliorate chemotherapy-induced blood deficiency syndrome through inhibiting JAK1/STAT1 pathway activation. *FITOTERAPIA*. 2025 Jun;183:106571 IHC,WB ;Mouse. 40316148