

**bs-1140R****[ Primary Antibody ]****STAT2 Rabbit pAb****BioSS**  
**ANTIBODIES**

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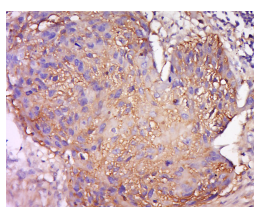
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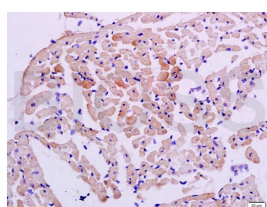
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 6773	<b>SWISS:</b> P52630	<b>IF</b> (1:100-500)
<b>Target:</b> STAT2		<b>Reactivity:</b> Human, Rat (predicted: Mouse)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human STAT2: 151-250/851.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 97 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 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. In response to interferon (IFN), this protein forms a complex with STAT1 and IFN regulatory factor family protein p48 (ISGF3G), in which this protein acts as a transactivator, but lacks the ability to bind DNA directly. Transcription adaptor P300/CBP (EP300/CREBBP) has been shown to interact specifically with this protein, which is thought to be involved in the process of blocking IFN-alpha response by adenovirus. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010].		

**— VALIDATION IMAGES —**

Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-STAT2 Polyclonal Antibody, Unconjugated(bs-1140R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat heart tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-STAT2 Polyclonal Antibody, Unconjugated(bs-1140R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=6.304]** Chen Y et al. Dendritic cells-derived interferon-λ1 ameliorated inflammatory bone destruction through inhibiting osteoclastogenesis. Cell Death Dis. 2020 Jun 2;11(6):414. WB ;Mouse. 32488049
- **[IF=6.291]** Changjiang Liu. et al. Cypermethrin triggers YY1-mediated testosterone biosynthesis suppression. Ecotox

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

Environ Safe. 2021 Dec;225:112792 WB ;Rat. 10.1016/j.ecoenv.2021.112792

- **[IF=5.162]** Zhuo Han. et al. New insights into Vitamin C function: Vitamin C induces JAK2 activation through its receptor-like transporter SVCT2. Int J Biol Macromol. 2021 Mar;173:379 WB ;Human. 33484802