

**bsm-63180R****[ Primary Antibody ]**

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**phospho-STAT1 (Y701) Recombinant Rabbit mAb****— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Applications:** WB (1:1000-1:2000)**Clonality:** Recombinant**CloneNo.:** 4F11**Reactivity:** Human**GeneID:** 6772**SWISS:** P42224**Target:** phospho-STAT1 (Y701)**Immunogen:** A synthesized peptide derived from human STAT1 around the phosphorylation site of Y701: TG-pY-IK.**Predicted  
MW.:** 87 kDa**Purification:** affinity purified by Protein A**Storage:** 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.**Subcellular  
Location:** Cytoplasm ,Nucleus**Background:** Following type I IFN (IFN-alpha and IFN-beta) binding to cell surface receptors, signaling via protein kinases leads to activation of Jak kinases (TYK2 and JAK1) and to tyrosine phosphorylation of STAT1 and STAT2. The phosphorylated STATs dimerize and associate with ISGF3G/IRF-9 to form a complex termed ISGF3 transcription factor, that enters the nucleus.**— SELECTED CITATIONS —**

- **[IF=2.4]** Qiancheng Jiang. et al. Curcumin activates the JAK-STAT signaling pathway to enhance the innate immune response against porcine epidemic diarrhea virus infection in vivo and in vitro. VET MICROBIOL. 2025 Jun;305:110535 WB ;Pig. 40286548