bs-1657R

[Primary Antibody]

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phospho-STAT1 (Tyr701) Rabbit pAb

- DATASHEET -

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GenelD: 6772 **SWISS:** P42224

Target: STAT1 (Tyr701)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human

STAT1 around the phosphorylation site of Tyr701: TG(p-Y)IK.

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]

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) **IF** (1:100-500)

Reactivity: Mouse (predicted: Human,

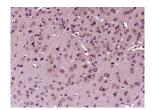
Rat, Rabbit, Pig, Sheep,

Cow, Dog)

Predicted MW.: 82 kDa

Subcellular Location: Cytoplasm ,Nucleus

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 IFNβ 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-λ1 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 IFNγ inhibits A1 astrocytes and attenuates neurogenesis decline and cognitive impairment in endotoxemia. Biochem Bioph Res Co. 2020 Dec;533:1519 WB,IHC; Mouse. 33158480