bs-20168R **[Primary Antibody]**

Phospho-Jak3 (Tyr785) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3718 **SWISS:** P52333

Target: Phospho-Jak3 (Tyr785)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human Jak3 around the phosphorylation site of Tyr785: SD(p-Y)EL.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
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 Janus kinase (JAK) family of tyrosine kinases involved in cytokine receptor-mediated intracellular signal transduction. It is predominantly expressed in immune cells and transduces a signal in response to its activation via tyrosine phosphorylation by interleukin receptors. Mutations in this gene are associated with autosomal SCID (severe combined immunodeficiency disease). [provided by RefSeq, Jul 2008]

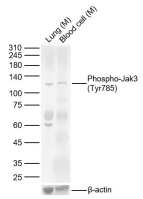
Applications: **WB** (1:500-2000)

Reactivity: Mouse (predicted: Human, Rat, Pig, Cow, Dog, Horse)

Predicted MW.: 125 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: Mouse Lung Lysates Lane 2: Mouse Blood cell Lysates Primary: Anti-Phospho-Jak3 (Tyr785) (bs-20168R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 125kDa Observed band size: 125kDa

SELECTED CITATIONS

- **[IF=6.291]** Changjiang Liu. et al. Cypermethrin triggers YY1-mediated testosterone biosynthesis suppression. Ecotox Environ Safe. 2021 Dec;225:112792 WB ;Rat. 10.1016/j.ecoenv.2021.112792
- **[IF=5.834]** Yan Yao. et al. P38γ modulates the lipid metabolism in non-alcoholic fatty liver disease by regulating the JAK–STAT signaling pathway. FASEB J. 2022 Dec;37(1):e22716 WB ;Mouse. 36527390
- **[IF=5.4]** Ting Xiao. et al. Ameliorative effect of Alangium chinense (Lour.) Harms on rheumatoid arthritis by reducing autophagy with targeting regulate JAK3-STAT3 and COX-2 pathways. J ETHNOPHARMACOL. 2023 Sep;:117133 WB ;Rat. 37690476
- **[IF=2.848]** Hong-yan CHEN. et al. HBP1 inhibits chicken preadipocyte differentiation by activating the STAT3 signaling via directly enhancing JAK2 expression. J INTEGR AGR. 2022 Jun;21:1740 WB ;Chicken,Bird. 10.1016/S2095-3119(21)63895-9

- **[IF=1.973]** Liang Shao. et al. Betulonic acid regulates oviduct epithelial cell inflammation through the TLR4, MAPK, and JAK/STAT signalling pathways. REPROD FERT DEVELOP. 2023 May;35(8):480-491 WB ;Rat. 37142241