bs-2485R **[Primary Antibody]**

phospho-JAK2 (Tyr1007+Tyr1008) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3717 **SWISS:** O60674

Target: JAK2 (Tyr1007+Tyr1008)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human JAK2 around the phosphorylation site of Tyr1007/1008: KE(p-Y)(p-Y)KV.

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: This gene product is a protein tyrosine kinase involved in a specific subset of cytokine receptor signaling pathways. It has been found to be constituitively associated with the prolactin receptor and is required for responses to gamma interferon. Mice that do not express an active protein for this gene exhibit embryonic lethality associated with the absence of definitive erythropoiesis. [provided by RefSeq, Jul 2008]

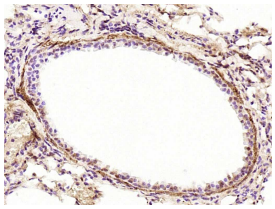
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg/Test)
ICC/IF (1:100)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Zebrafish, Chicken)

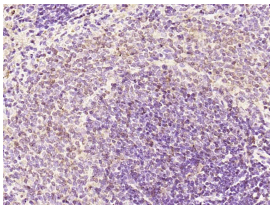
Predicted MW.: 131 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

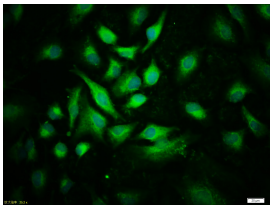
VALIDATION IMAGES



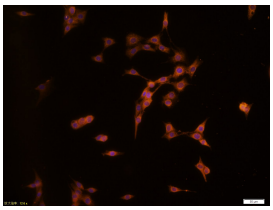
Paraformaldehyde-fixed, paraffin embedded (mouse lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-JAK2 (Tyr1007+Tyr1008)) Polyclonal Antibody, Unconjugated (bs-2485R) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



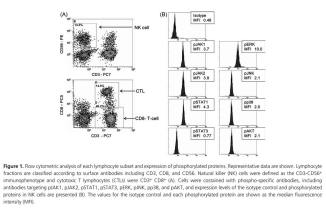
Paraformaldehyde-fixed, paraffin embedded (rat spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-JAK2 (Tyr1007+Tyr1008)) Polyclonal Antibody, Unconjugated (bs-2485R) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



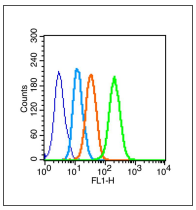
Tissue/cell: A549 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (phospho-JAK2(Tyr1007+Tyr1008)) Polyclonal Antibody, Unconjugated (bs-2485R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-AF488) at 37°C for 90 minutes, DAPI (5ug/ml, blue, C-0033) was used to stain the cell nuclei.



Tissue/cell: NIH/3T3 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (phospho-JAK2(Tyr1007+Tyr1008))



From 《Cancer Medicine》(2016.6): PublitionDirect effect of dasatinib on signal transduction pathways associated with a rapid mobilization of cytotoxic lymphocytes , IF:2.5 Author: Noriyoshi Iriyama, Yoshihiro Hatta &



Blank control (Black line): Raji (Black). Primary Antibody (green line): Rabbit Anti-phospho-JAK2(Tyr1007+Tyr1008) antibody (bs-2485R) Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary

Polyclonal Antibody, Unconjugated (bs-2485R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-PE) at 37°C for 90 minutes, DAPI (5ug/ml, blue, C-0033) was used to stain the cell nuclei.

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Antibody (white blue line): Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA （10min）and then permeabilized with 90% ice-cold methanol for 20 min on ice. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=7.5]** Penglin Li. et al. Microbiota-derived 3-phenylpropionic acid promotes myotube hypertrophy by Foxo3/NAD+ signaling pathway. CELL BIOSCI. 2024; 14: 62 WB ;Mouse,Chicken. 38750565
- **[IF=5.714]** Zhaxi Mima. et al. Blockade of JAK2 retards cartilage degeneration and IL-6-induced pain amplification in osteoarthritis. INT IMMUNOPHARMACOL. 2022 Dec;113:109340 WB ;Mouse. 36330910
- **[IF=5.279]** Yan Zhang. et al. Ganoderic Acid A To Alleviate Neuroinflammation of Alzheimer’ s Disease in Mice by Regulating the Imbalance of the Th17/Tregs Axis. J Agr Food Chem. 2021;69(47):14204–14214 WB ;Mouse. 34798773
- **[IF=4.657]** Shen, Yue. et al. Hederagenin Suppresses Inflammation and Cartilage Degradation to Ameliorate the Progression of Osteoarthritis: An In vivo and In vitro Study. INFLAMMATION. 2022 Nov;:1-24 WB ;Human. 36348189
- **[IF=4.932]** Xueli Bai. et al. Regulatory role of methionine enkephalin in myeloid-derived suppressor cells and macrophages in human cutaneous squamous cell carcinoma. Int Immunopharmacol. 2021 Oct;99:107996 IHC ;Mouse. 34311187