

bs-1459R**[Primary Antibody]****IL6ST/CD130 Rabbit pAb****Bioss**
ANTIBODIES

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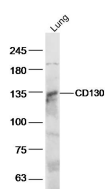
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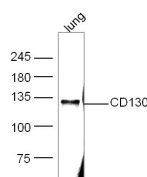
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 3572**SWISS:** P40189**Target:** IL6ST/CD130**Immunogen:** KLH conjugated synthetic peptide derived from human IL6R beta: 651-750/917. < Cytoplasmic >**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

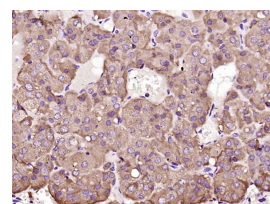
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: bs-1459P is one synthetic peptide derived from human IL6R beta. CD130 is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and oncostatin M (OSM). This protein functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. vIL6, a protein related to IL6 and encoded by the Kaposi sarcoma-associated herpesvirus, can bypass the interleukin 6 receptor (IL6R) and directly activate this protein. Knockout studies in mice suggested a critical role of the gene encoding this protein in regulating myocyte apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been described.**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)**Reactivity:** Human, Mouse, Rat**Predicted**
MW.: 99 kDa**Subcellular**
Location: Secreted ,Cell membrane**— VALIDATION IMAGES —**

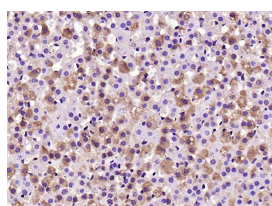
Sample:lung(mouse) Lysate at 40 ug Primary:
Anti- CD130 (bs-1459R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 99kD
Observed band size: 130 kD



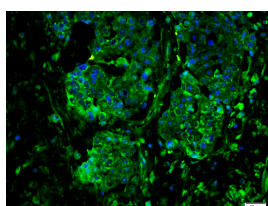
Sample: Lung(Mouse) Lysate at 30 ug Primary:
Anti- CD130 (bs-1459R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at
1/10000 dilution Predicted band size: 99 kD
Observed band size: 130 kD



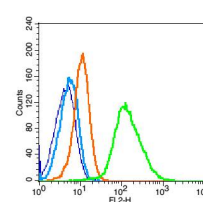
Paraformaldehyde-fixed, paraffin embedded
(mouse adrenal gland); Antigen retrieval by
boiling in sodium citrate buffer (pH6.0) for
15min; Block endogenous peroxidase by 3%
hydrogen peroxide for 20 minutes; Blocking
buffer (normal goat serum) at 37°C for 30min;
Antibody incubation with (CD130) Polyclonal
Antibody, Unconjugated (bs-1459R) at 1:200
overnight at 4°C, followed by operating
according to SP Kit(Rabbit) (sp-0023)
instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat)



Tissue/cell: human colon carcinoma;4%



Blank control: Raji(blue). Primary

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

adrenal gland); 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 (CD130) Polyclonal Antibody, Unconjugated (bs-1459R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-IL-6R Beta/CD130/gp130 Polyclonal Antibody, Unconjugated(bs-1459R) 1:300, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, FITC conjugated (bs-0295G-FITC) used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml, blue, C-0033) was used to stain the cell nuclei

Antibody: Rabbit Anti-CD34 antibody(bs-1459R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange), used under the same conditions; Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol The cells were fixed with 2% paraformaldehyde (10 min). Antibody (bs-1459R, 1µg /1x10⁶ cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody of bs-1459R at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=9.586]** Weber AE et al. Modulation of Hedgehog Signaling by Kappa Opioids to Attenuate Osteoarthritis. *Arthritis Rheumatol.* 2020 Aug;72(8):1278-1288. IHC ;Rat. 32249508
- **[IF=5.228]** Cao, Yifan, et al. "Glycoprotein 130 is associated with adverse postoperative clinical outcomes of patients with late-stage non-metastatic gastric cancer." *Scientific Reports* 6 (2016): 38364. WB ;="Human". 27917904
- **[IF=4.996]** Obi, Andrea T.. et al. Experimental venous thrombus resolution is driven by IL-6 mediated monocyte actions. *SCI REP-UK.* 2023 Feb;13(1):1-12 WB,IF ;Mouse,Human. 36828892
- **[IF=4.06]** Prystaz, Katja, et al. "Distinct effects of interleukin-6 classic and trans-signaling in bone fracture healing." *The American Journal of Pathology.* IHC ;="Mouse". 29146294
- **[IF=3.967]** Li S et al. Down-regulating IL-6/GP130 targets improved the anti-tumor effects of 5-fluorouracil in colon cancer. *Apoptosis.* 2018 Jun;23(5-6):356-374. WB ;Human. 29777330