

Anti-CD130 / GP130 Antibody [PSH20-62]

HA724164



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Mouse
Applications:	IHC-Fr, FC
Molecular Wt:	Predicted band size: 102 kDa
Clone number:	PSH20-62

Description: Glycoprotein 130 (also known as gp130, IL6ST, IL6R-beta or CD130) is a transmembrane protein which is the founding member of the class of tall cytokine receptors. It forms one subunit of the type I cytokine receptor within the IL-6 receptor family. It is often referred to as the common gp130 subunit, and is important for signal transduction following cytokine engagement. As with other type I cytokine receptors, gp130 possesses a WSXWS amino acid motif that ensures correct protein folding and ligand binding. It interacts with Janus kinases to elicit an intracellular signal following receptor interaction with its ligand. Structurally, gp130 is composed of five fibronectin type-III domains and one immunoglobulin-like C2-type (immunoglobulin-like) domain in its extracellular portion.

Immunogen: Recombinant protein within mouse CD130 / GP130 aa 1-617.

Positive control: Mouse spleen, C57BL/6 mouse splenocytes.

Subcellular location: Cell membrane.

Database links: SwissProt: Q00560 Mouse

Recommended Dilutions:

IHC-Fr	1:500
FC	1:1,000

Storage Buffer: 1*PBS (pH7.4), 1% BSA, 0.2% Proclean 950.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.

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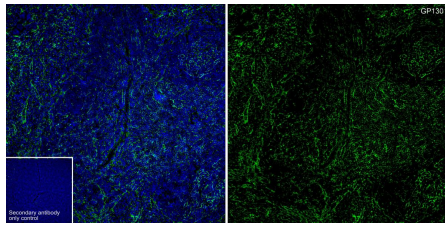
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Images

**Fig1:** Application: IHC-Fr

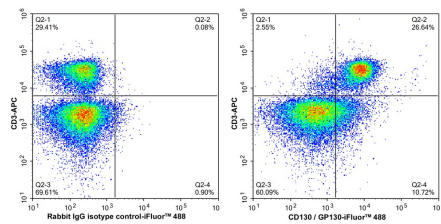
Species: Mouse

Site: spleen

Sample: Frozen section

Antibody concentration: 1/500

Antigen retrieval: Not required

**Fig2:** Flow cytometric analysis of C57BL/6 mouse splenocytes labeling CD130 / GP130 (HA724164) and CD3 (HA600118F, APC).

Cells were washed twice with cold PBS and resuspend. Then stained with the primary antibody (HA724164, 1/1,000). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody (HA1121) at 1/1,000 dilution for 30 minutes at +4°C. Compared with Rabbit IgG Isotype Control (iFluor™ 488, 1/1,000).

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Zanders L et al. Sepsis induces interleukin 6, gp130/JAK2/STAT3, and muscle wasting. J Cachexia Sarcopenia Muscle. 2022 Feb
2. Zhu X et al. Intermittent Fasting-Induced Orm2 Promotes Adipose Browning via the GP130/IL23R-p38 Cascade. Adv Sci (Weinh). 2024 Nov

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