



## Product datasheet

# Anti-CD130 (gp130) antibody ab202850

[15 References](#) [2 Images](#)

### Overview

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<b>Product name</b>	Anti-CD130 (gp130) antibody
<b>Description</b>	Rabbit polyclonal to CD130 (gp130)
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat
<b>Immunogen</b>	<p>Synthetic peptide within Mouse CD130 (gp130) aa 650-750 conjugated to keyhole limpet haemocyanin. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b>contact</b> our Scientific Support team to discuss your requirements.</p> <p>Database link: <a href="#">Q00560</a></p> <p> <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a></p>
<b>Positive control</b>	IHC-P: Mouse and Rat Adrenal gland tissue
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 7.40</p> <p>Preservative: 0.02% Proclin 300</p> <p>Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA, 48.98% TBS, 1X</p> <p>Aqueous buffered solution</p>
<b>Purity</b>	Protein A purified

**Clonality** Polyclonal

**Isotype** IgG

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab202850 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Use at 1/50 - 1/200 with fluorescent detection methods.

## Target

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**Function** Signal-transducing molecule. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1 and BSF3 can utilize gp130 for initiating signal transmission. Binds to IL6/IL6R (alpha chain) complex, resulting in the formation of high-affinity IL6 binding sites, and transduces the signal. Does not bind IL6. May have a role in embryonic development (By similarity). The type I OSM receptor is capable of transducing OSM-specific signaling events.

**Tissue specificity** Found in all the tissues and cell lines examined. Expression not restricted to IL6 responsive cells.

**Sequence similarities** Belongs to the type I cytokine receptor family. Type 2 subfamily.  
Contains 5 fibronectin type-III domains.  
Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

**Domain** The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.  
The box 1 motif is required for JAK interaction and/or activation.

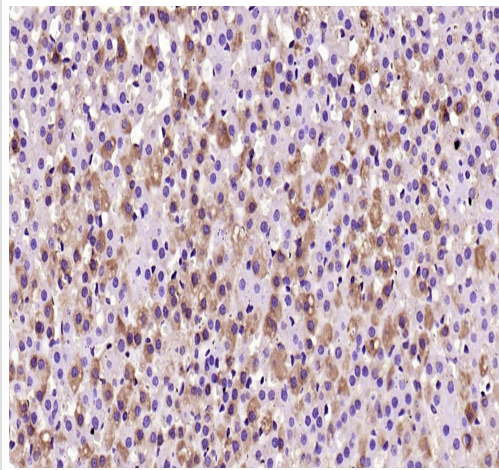
**Post-translational modifications** Phosphorylation of Ser-782 down-regulates cell surface expression.  
Heavily N-glycosylated.

**Cellular localization** Secreted and Cell membrane.

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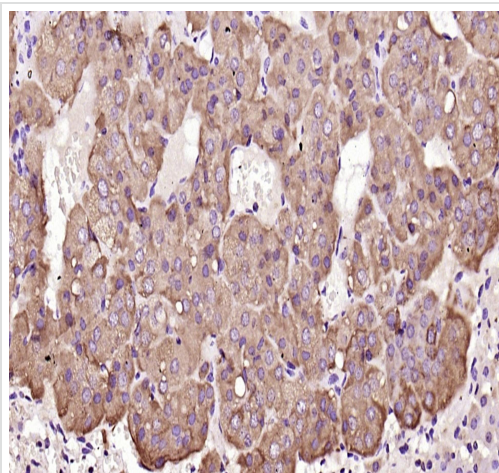
## Images

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Immunohistochemical analysis of mouse adrenal tissue labelled for IL-6R Beta/ CD130/ gp130 using ab202850 at 1/200 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD130 (gp130) antibody (ab202850)



Immunohistochemical analysis of rat adrenal tissue labelled for IL-6R Beta/ CD130/ gp130 using ab202850 at 1/200 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD130 (gp130) antibody (ab202850)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## **Terms and conditions**

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