

Datasheet for ABIN7043291

anti-CD130/gp130 antibody (Extracellular, N-Term)

3 Images



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Overview

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|----------------------|--|
| Quantity: | 25 µL |
| Target: | CD130/gp130 (IL6ST) |
| Binding Specificity: | AA 584-598, Extracellular, N-Term |
| Reactivity: | Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CD130/gp130 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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|------------------|---|
| Immunogen: | Immunogen: Synthetic peptide Immunogen Sequence: (C)DTLYMVHMAAYTEEG, corresponding to amino acid residues 584-598 of rat GP130 |
| Isotype: | IgG |
| Characteristics: | Anti-GP130 (extracellular) Antibody is directed against an extracellular epitope of the rat Membrane glycoprotein 130. Anti-GP130 (extracellular) Antibody (ABIN7043291, ABIN7044564 and ABIN7044565)) can be used in western blot analysis. It has been designed to recognize GP130 from mouse, rat and human samples. |
| Purification: | Affinity purified on immobilized antigen. |

Target Details

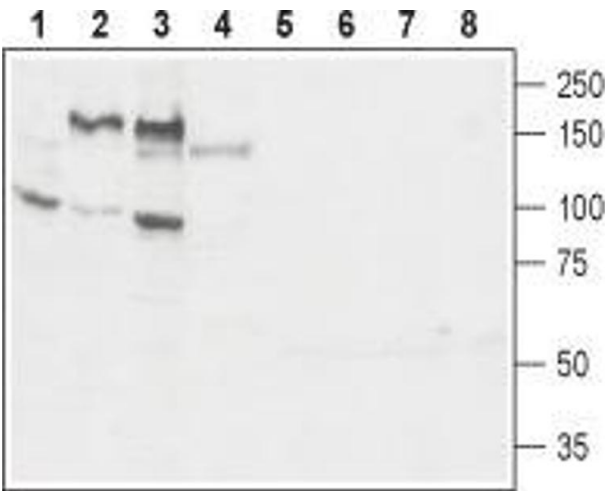
| | |
|-------------------|---|
| Target: | CD130/gp130 (IL6ST) |
| Alternative Name: | GP130 (IL6ST Products) |
| Background: | Alternative names: GP130, Interleukin-6 receptor subunit beta, IL-6R-beta, IL-6RB, Interleukin-6 signal transducer, Oncostatin-M receptor subunit alpha, CD130, Il6st |
| Gene ID: | 25205 |
| NCBI Accession: | NM_002184 |
| UniProt: | P40190 |
| Pathways: | JAK-STAT Signaling , Cellular Glucan Metabolic Process , Autophagy , Smooth Muscle Cell Migration , Cancer Immune Checkpoints |

Application Details

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|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

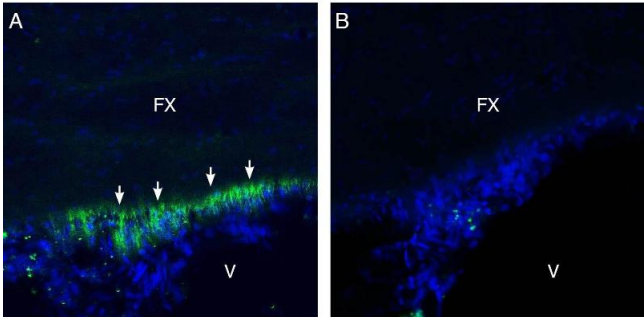
Handling

| | |
|--------------------|--|
| Format: | Lyophilized |
| Reconstitution: | 25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size. |
| Concentration: | 0.85 mg/mL |
| Buffer: | Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | RT, 4 °C, -20 °C |
| Storage Comment: | <p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p> |



Western Blotting

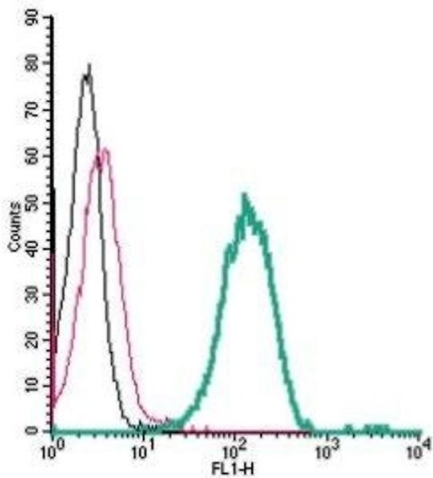
Image 1. Western blot analysis of mouse brain membrane (lanes 1 and 5), rat brain lysate (lanes 2 and 6), rat brain membrane (lanes 3 and 7) and rat uterus lysate (lanes 4 and 8): - 1-3. Anti-GP130 (extracellular) Antibody (ABIN7043291, ABIN7044564 and ABIN7044565), (1:400).4. Anti-GP130 (extracellular) Antibody (1:200).5-8. Anti-GP130 (extracellular) Antibody, preincubated with GP130 (extracellular) Blocking Peptide (#BLP-LR023).



Immunohistochemistry

Image 2. Expression of GP130/CD130 in rat subfornical organ (SFO). - Immunohistochemical staining of perfusion-fixed frozen rat brain sections Anti-GP130 (extracellular) Antibody (ABIN7043291, ABIN7044564 and ABIN7044565), (1:1000), followed by goat anti-rabbit-AlexaFluor-488.

A. GP130/CD130 immunoreactivity (green) appears in the SFO (arrows). B. Pre-incubation of the antibody with GP130 (extracellular) Blocking Peptide (BLP-LR023), suppressed staining. Cell nuclei are stained with DAPI (blue). FX = fornix, V = cerebral ventricle.



Flow Cytometry

Image 3. Cell surface detection of GP130/CD130 by indirect flow cytometry in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-GP130 (extracellular) Antibody (ABIN7043291, ABIN7044564 and ABIN7044565), (2.5 µg) + goat-anti-rabbit-FITC.