

Datasheet for ABIN1714257

anti-CD130/gp130 antibody (pSer782)

4 Images

[Go to Product page](#)

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | CD130/gp130 (IL6ST) |
| Binding Specificity: | pSer782 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CD130/gp130 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

| | |
|-----------------------|--|
| Immunogen: | KLH conjugated synthetic phosphopeptide derived from human gp130 around the phosphorylation site of Ser782 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Rat |
| Predicted Reactivity: | Mouse,Dog,Cow,Pig,Horse,Chicken,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|---|
| Target: | CD130/gp130 (IL6ST) |
| Alternative Name: | gp130 (IL6ST Products) |
| Background: | <p>Synonyms: gp130 phospho S782, gp130 phospho Ser782, p-gp130 Ser782, Interleukin-6 receptor subunit beta, IL-6R-beta, Interleukin-6 signal transducer, Membrane glycoprotein 130, gp130, CDw130, Oncostatin-M receptor subunit alpha, CD_antigen, CD130, GP130 RAPS, gp130 transducer chain, GP130-RAPS, IL6 ST, IL6R-beta, IL6ST.IL6R-beta, IL6RB_HUMAN, IL-6 receptor subunit beta, IL-6R subunit beta, IL-6RB.</p> <p>Background: 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.</p> |
| Gene ID: | 3572 |
| UniProt: | P40189 |
| Pathways: | JAK-STAT Signaling , Cellular Glucan Metabolic Process , Autophagy , Smooth Muscle Cell Migration , Cancer Immune Checkpoints |

Application Details

| | |
|--------------------|--|
| Application Notes: | WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500 |
| Restrictions: | For Research Use only |

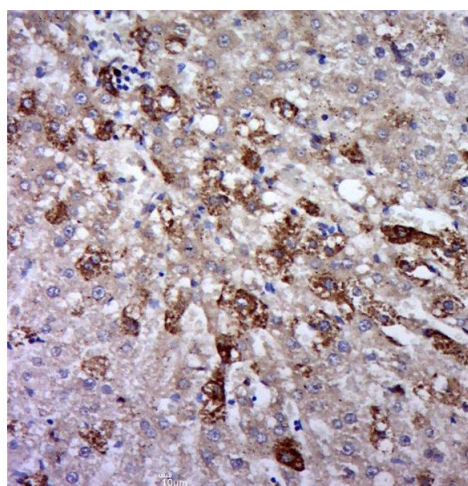
Handling

| | |
|---------|--------|
| Format: | Liquid |
|---------|--------|

Handling

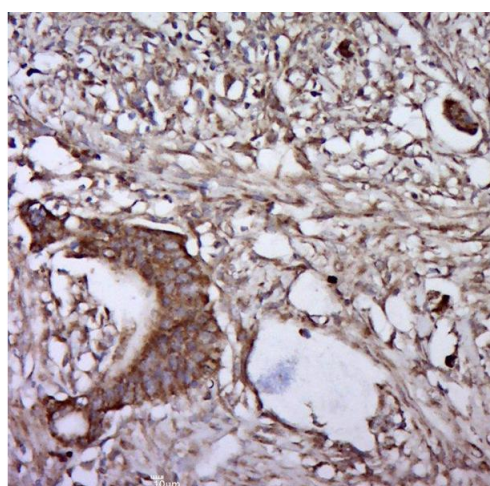
| | |
|--------------------|--|
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |

Images



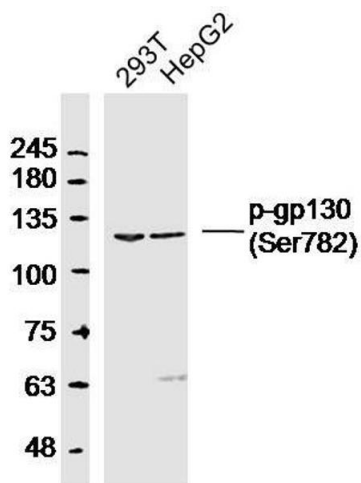
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded rat liver, 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-gp130 (Ser782) Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded human cervical cancer, 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-gp130 (Ser782) Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.



Western Blotting

Image 3. Lane 1: 293T lysates Lane 2: HepG2 lysates probed with gp130 (Ser782) Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1714257.