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Datasheet for ABIN7193398

**anti-CD130/gp130 antibody (AA 73-231)**

## 7 Images

## Overview

Quantity:	0.1 mg
Target:	CD130/gp130 (IL6ST)
Binding Specificity:	AA 73-231
Reactivity:	Human, Monkey
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Neutralization (Neut)

## Product Details

Immunogen:	Purified recombinant fragment of human CD130 (AA: extra 73-231) expressed in E. coli.
Clone:	8D4D2
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	CD130/gp130 (IL6ST)
Alternative Name:	CD130 ( <a href="#">IL6ST Products</a> )
Background:	Description: The protein encoded by this gene 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

## Target Details

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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 suggest that this gene plays a critical role in regulating myocyte apoptosis. Alternatively spliced transcript variants have been described. A related pseudogene has been identified on chromosome 17. [provided by RefSeq, May 2014]

Aliases: IL6ST, GP130, CDW130, IL-6RB

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Molecular Weight: 103.5 kDa

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Gene ID: 3572

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Pathways: [JAK-STAT Signaling](#), [Cellular Glucan Metabolic Process](#), [Autophagy](#), [Smooth Muscle Cell Migration](#), [Cancer Immune Checkpoints](#)

## Application Details

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Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400, ICC: N/A, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000

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Restrictions: For Research Use only

## Handling

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Buffer: Purified antibody in PBS with 0.05 % sodium azide

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Preservative: Sodium azide

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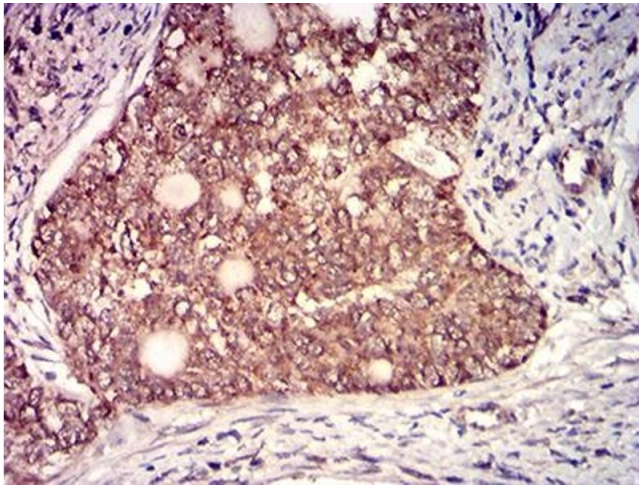
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C/-20 °C

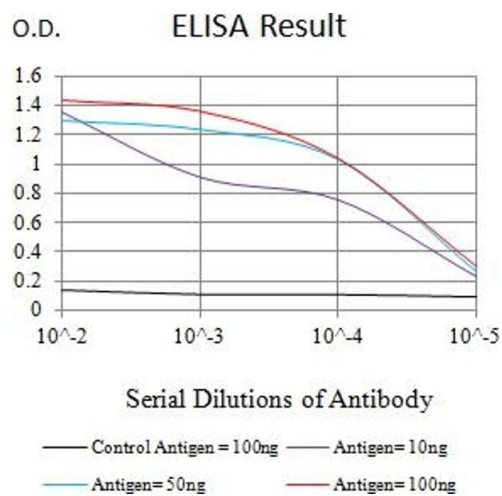
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Storage Comment: 4°C, -20°C for long term storage



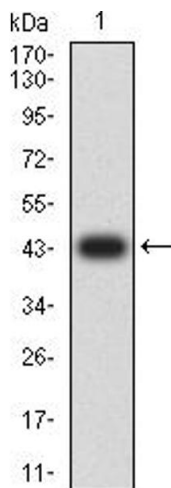
### Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using CD130 mouse mAb with DAB staining.



### ELISA

**Image 2.** Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)



### Western Blotting

**Image 3.** Western blot analysis using CD130 mAb against human CD130 (AA: extra 73-231) recombinant protein. (Expected MW is 43.8 kDa)

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7193398.