antibodies

# Datasheet for ABIN655059 anti-CD130/gp130 antibody (C-Term)

7 Images



#### Overview

Quantity:	400 µL
Target:	CD130/gp130 (IL6ST)
Binding Specificity:	AA 871-899, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD130/gp130 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This CD130 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 871-899 amino acids from the C-terminal region of human CD130.

Clone:	RB17993
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	CD130/gp130 (IL6ST)
Alternative Name:	CD130 (IL6ST Products)
Background:	The protein encoded by this gene is a signal transducer shared by many cytokines, including

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## Target Details

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 suggest that this gene plays a critical role in regulating myocyte apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been described. A related pseudogene has been identified on chromosome 17.

Molecular Weight:	103537
Gene ID:	3572
NCBI Accession:	NP_001177910, NP_002175, NP_786943
UniProt:	P40189
Pathways:	JAK-STAT Signaling, Cellular Glucan Metabolic Process, Autophagy, Smooth Muscle Cell Migration, Cancer Immune Checkpoints

## **Application Details**

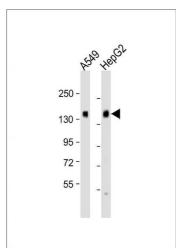
Application Notes:	WB: 1:2000. WB: 1:2000. WB: 1:2000. WB: 1:1000. WB: 1:2000. WB: 1:2000. IHC-P: 1:25
Restrictions:	For Research Use only

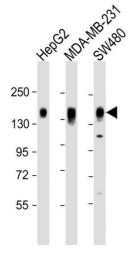
#### Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

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#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** (ABIN655059 and ABIN2844688) staining C in Human skeletal muscle tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0. 5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

#### Western Blotting

**Image 2.** All lanes : Anti-C Antibody (C-term) at 1:2000 dilution Lane 1: A549 whole cell lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 104 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

### Western Blotting

**Image 3.** All lanes : Anti-C Antibody (C-term) at 1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: MDA-MB-231 whole cell lysate Lane 3: S whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 104 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the product details page for more images. Overall 7 images are available for ABIN655059.

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