

## Product datasheet

# Anti-p130 (phospho S672) antibody [EP2126Y] ab76255

RabMAb

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

### Overview

<b>Product name</b>	Anti-p130 (phospho S672) antibody [EP2126Y]
<b>Description</b>	Rabbit monoclonal [EP2126Y] to p130 (phospho S672)
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: Jurkat whole cell lysate, treated or untreated with AP. IP: Jurkat was serum starved for 24h, then treated with 10% FBS for 20h whole cell lysate.
<b>General notes</b>	<p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	<p>pH: 7.20</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant</p>

<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EP2126Y
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab76255 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
<b>WB</b>		1/5000 - 1/10000. Detects a band of approximately 128 kDa (predicted molecular weight: 128 kDa).
<b>IP</b>		1/20.

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

## Target

**Function** Key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases SUV420H1 and SUV420H2, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. Binds to cyclins A and E. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. May act as a tumor suppressor.

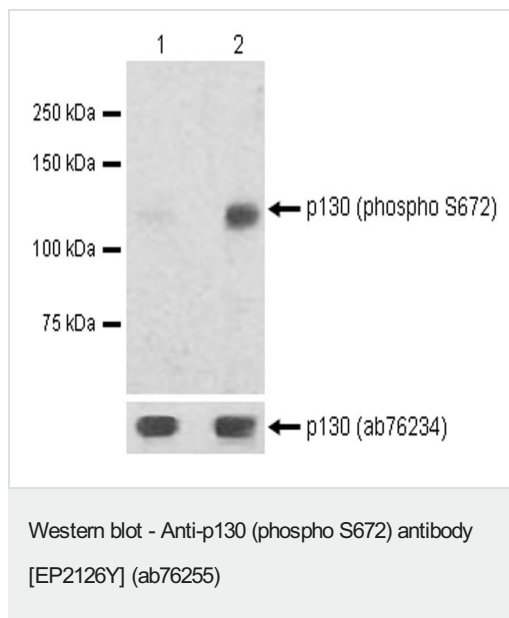
**Sequence similarities** Belongs to the retinoblastoma protein (RB) family.

**Developmental stage** G0-restricted expression.

**Post-translational modifications** During G0 and early G1 phase of the cell cycle, phosphorylated on Ser-639 and on 5 sites within the domain B. Phosphorylation on Ser-672 in G1 leads to its ubiquitin-dependent proteolysis.

**Cellular localization** Nucleus.

## Images



**All lanes :** Anti-p130 (phospho S672) antibody [EP2126Y] (ab76255) at 1/10000 dilution

**Lane 1 :** Jurkat cell lysate, treated with AP

**Lane 2 :** Jurkat cell lysate, untreated

Lysates/proteins at 10 µg per lane.

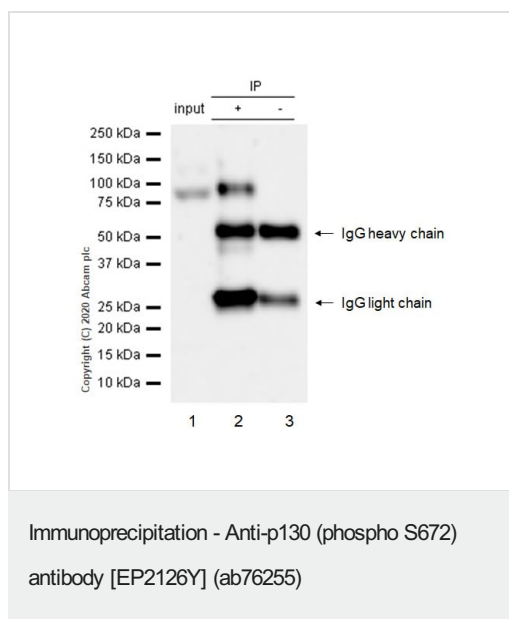
### Secondary

**All lanes :** Goat Anti-rabbit (HRP) at 1/2000 dilution

**Predicted band size:** 128 kDa

**Observed band size:** 128 kDa

Control: Rabbit monoclonal [EP2141Y] to p130 (**ab76234**)



Purified ab76255 at 1/20 dilution (1µg) immunoprecipitating p130 in Jurkat was serum starved for 24h, then treated with 10% FBS for 20h whole cell lysate.

Lane 1 (input): Jurkat (Human T cell leukemia T lymphocyte) was serum starved for 24h, then treated with 10% FBS for 20h whole cell lysate 10µg

Lane 2 (+): ab76255 + Jurkat was serum starved for 24h, then treated with 10% FBS for 20h whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab76255 in Jurkat was serum starved for 24h, then treated with 10% FBS for 20h whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 90-130 kDa

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

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