abcam

Product datasheet

Anti-p130 (phospho T986) antibody [EPR2389(2)] ab211928

Recombinant RabMAb

6 Images

Overview

Product name	Anti-p130 (phospho T986) antibody [EPR2389(2)]
Description	Rabbit monoclonal [EPR2389(2)] to p130 (phospho T986)
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), WB, IP
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Jurkat and NIH/3T3 whole cell lysates. Flow Cyt (intra): Jurkat cells. IP: NIH/3T3 whole cell lysate.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR2389(2)

Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab211928 in the following tested applications.

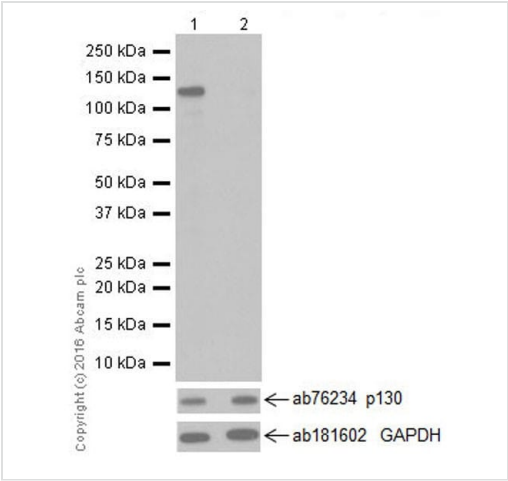
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/200.
WB		1/1000. Detects a band of approximately 128 kDa (predicted molecular weight: 128 kDa).
IP		1/100.

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



Western blot - Anti-p130 (phospho T986) antibody [EPR2389(2)] (ab211928)

All lanes : Anti-p130 (phospho T986) antibody [EPR2389(2)] (ab211928) at 1/1000 dilution

Lane 1 : Untreated Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate
Lane 2 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate treated with phosphatase on the membrane

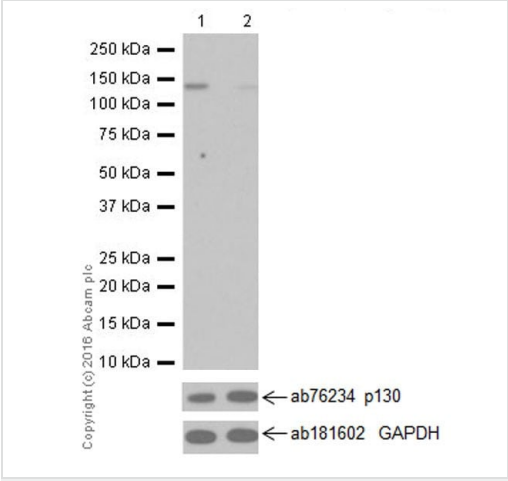
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 128 kDa
Observed band size: 128 kDa

Exposure time: 15 seconds

Blocking/Dilution buffer: 2% BSA.



Western blot - Anti-p130 (phospho T986) antibody [EPR2389(2)] (ab211928)

All lanes : Anti-p130 (phospho T986) antibody [EPR2389(2)] (ab211928) at 1/1000 dilution

Lane 1 : Untreated NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate
Lane 2 : NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate treated with phosphatase on the membrane

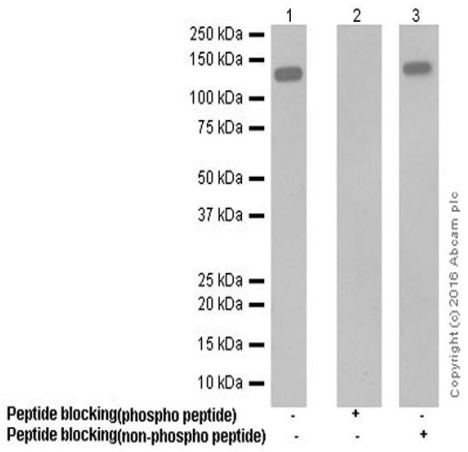
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 128 kDa
Observed band size: 128 kDa

Exposure time: 30 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-p130 (phospho T986) antibody [EPR2389(2)] (ab211928)

All lanes : Anti-p130 (phospho T986) antibody [EPR2389(2)] (ab211928) at 1/1000 dilution

Lane 1 : Untreated Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate
Lane 2 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate with single phospho peptide
Lane 3 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate with non phospho peptide

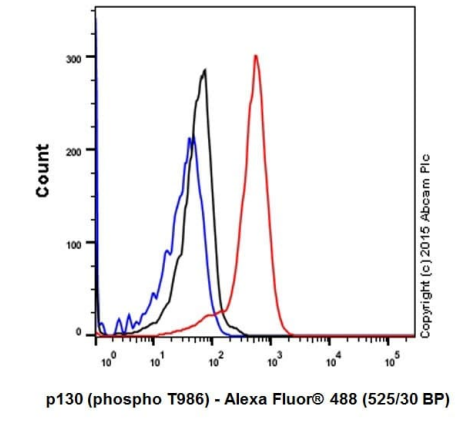
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 128 kDa
Observed band size: 128 kDa

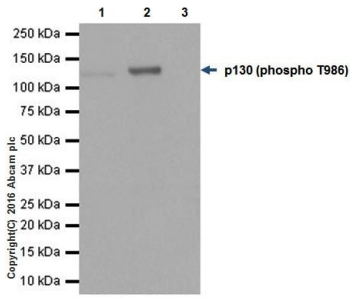
Exposure time: 30 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



Flow Cytometry (Intracellular) - Anti-p130 (phospho T986) antibody [EPR2389(2)] (ab211928)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed Jurkat (Human T cell leukemia cell line from peripheral blood) cells labeling p130 (phospho T986) with ab211928 at 1/200 dilution (red) compared with a rabbit monoclonal IgG isotype control (**ab172730**; black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat Anti-Rabbit IgG (Alexa Fluor® 488) at 1/2000 dilution was used as the secondary antibody.



Immunoprecipitation - Anti-p130 (phospho T986) antibody [EPR2389(2)] (ab211928)

p130 (phospho T986) was immunoprecipitated from 0.35 mg of NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate with ab211928 at 1/100 dilution. Western blot was performed from the immunoprecipitate using ab211928 at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10,000 dilution

Lane 1: NIH/3T3 whole cell lysate 10µg (Input).

Lane 2: ab211928 IP in NIH/3T3 whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab211928 in NIH/3T3 whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 3 minutes.

Anti-p130 (phospho T986) antibody [EPR2389(2)] (ab211928)

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