

Product datasheet

Anti-DRIP130 antibody [EPR17418] ab200351

Recombinant RabMAb

8 Images

Overview

Product name	Anti-DRIP130 antibody [EPR17418]
Description	Rabbit monoclonal [EPR17418] to DRIP130
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: MCF7, HeLa, HEK-293, C6, RAW 264.7, PC-12 and NIH/3T3 whole cell lysates; Human fetal brain and fetal kidney lysates; Mouse kidney and spleen lysates; Rat kidney lysate. IHC-P: Human breast carcinoma and rat kidney tissues. ICC/IF: MCF7 cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR17418

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab200351 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
IHC-P		1/250. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 130 kDa (predicted molecular weight: 156 kDa).
ICC/IF		1/1000.

Target

Function

Required for transcriptional activation subsequent to the assembly of the preinitiation complex (By similarity). Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. Required for transcriptional activation by adenovirus E1A protein. Required for ELK1-dependent transcriptional activation in response to activated Ras signaling.

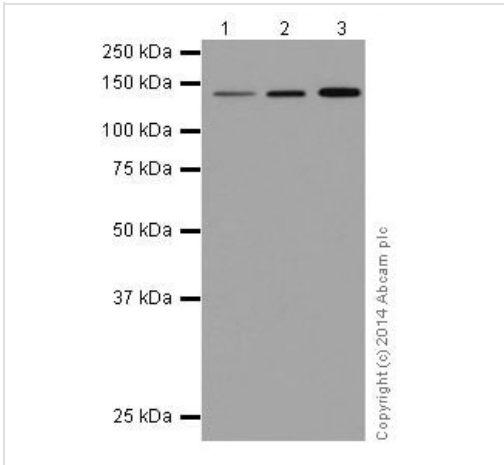
Sequence similarities

Belongs to the Mediator complex subunit 23 family.

Cellular localization

Nucleus.

Images



Western blot - Anti-DRIP130 antibody [EPR17418] (ab200351)

All lanes : Anti-DRIP130 antibody [EPR17418] (ab200351) at 1/10000 dilution

Lane 1 : MCF7 (Human breast adenocarcinoma cell line) whole cell lysate

Lane 2 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate

Lane 3 : HEK-293 (Human epithelial cells from embryonic kidney) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

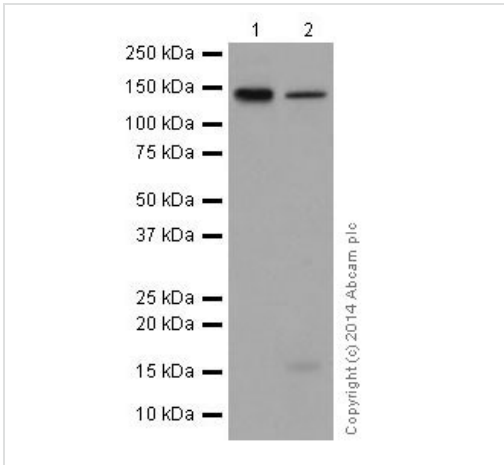
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 156 kDa

Observed band size: 130 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-DRIP130 antibody [EPR17418] (ab200351)

All lanes : Anti-DRIP130 antibody [EPR17418] (ab200351) at 1/1000 dilution

Lane 1 : Human fetal brain lysate

Lane 2 : Human fetal kidney lysate

Lysates/proteins at 10 µg per lane.

Secondary

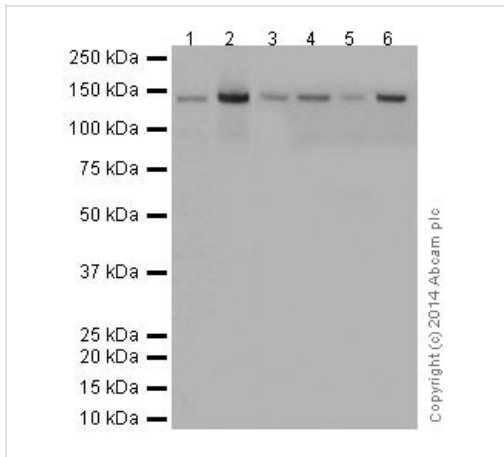
All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 156 kDa

Observed band size: 130 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot - Anti-DRIP130 antibody [EPR17418] (ab200351)

All lanes : Anti-DRIP130 antibody [EPR17418] (ab200351) at 1/1000 dilution

Lane 1 : Mouse kidney lysate

Lane 2 : Mouse spleen lysate

Lane 3 : C6 (Rat glial tumor cells) whole cell lysate

Lane 4 : RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate

Lane 5 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

Lane 6 : NIH/3T3 (Mouse embryo fibroblast cells) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 156 kDa

Observed band size: 130 kDa

Exposure time: 15 seconds

Blocking/Dilution buffer: 5% NFDm/TBST.

Anti-DRIP130 antibody [EPR17418] (ab200351) at 1/1000 dilution + Rat kidney lysate at 10 µg

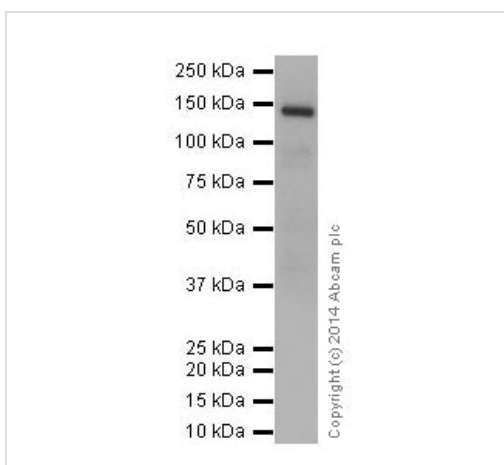
Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 156 kDa

Observed band size: 130 kDa

Exposure time: 3 minutes

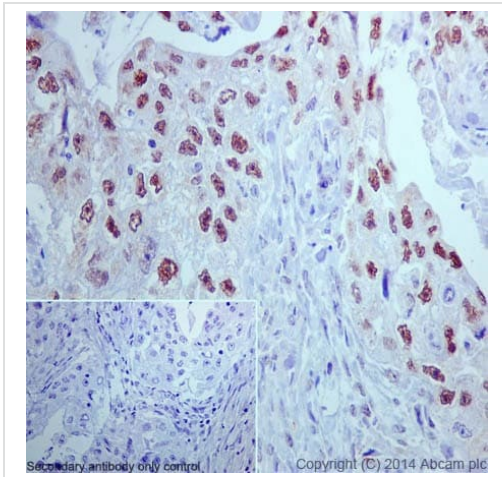


Western blot - Anti-DRIP130 antibody [EPR17418] (ab200351)

The observed MW is consistent with what has been described in

the literature (PMID: 12242338).

Blocking/Dilution buffer: 5% NFDM/TBST.

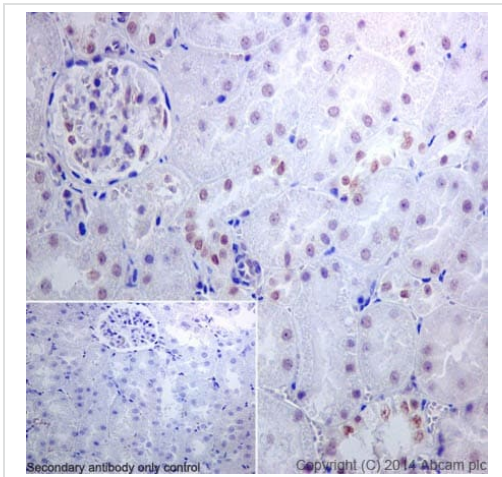


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DRIP130 antibody [EPR17418] (ab200351)

Immunohistochemical analysis of paraffin-embedded Human breast carcinoma tissue labeling DRIP130 with ab200351 at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution. Nuclear staining on Human breast carcinoma tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

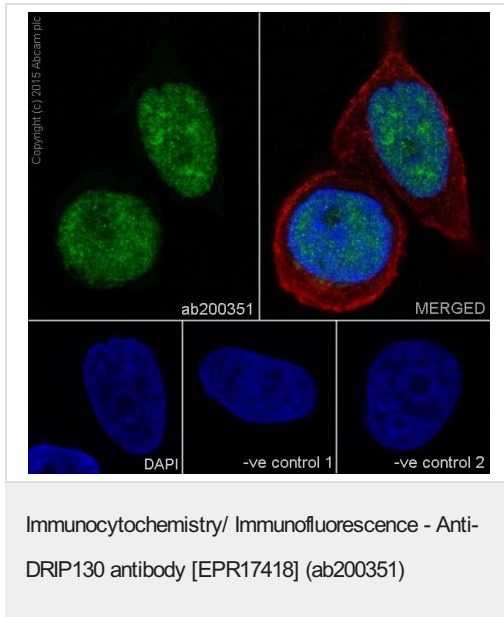


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DRIP130 antibody [EPR17418] (ab200351)

Immunohistochemical analysis of paraffin-embedded rat kidney tissue labeling DRIP130 with ab200351 at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution. Nuclear staining on rat kidney tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized MCF7 (Human breast adenocarcinoma cell line) cells labeling DRIP130 with ab200351 at 1/1000 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/500 dilution (green). Confocal image showing nuclear staining on MCF7 cell line. The nuclear counter stain is DAPI (blue). Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution and **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).

The negative controls are as follows:

-ve control 1: ab200351 at 1/1000 dilution followed by **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.

-ve control 2: **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution followed by **ab150077** (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-DRIP130 antibody [EPR17418] (ab200351)

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

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