abcam

Product datasheet

Anti-Pellino 1 antibody [EPR19302] ab199336

Recombinant RabMAb

3 References 8 Images

Overview

Product name	Anti-Pellino 1 antibody [EPR19302]
Description	Rabbit monoclonal [EPR19302] to Pellino 1
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP, ICC/IF
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Recombinant full length protein within Human Pellino 1 aa 1 to the C-terminus. The exact sequence is proprietary. Database link: Q96FA3
Positive control	WB: Human PELI1 full length recombinant protein; Human fetal liver, fetal heart and fetal kidney lysates; PC-12, NIH/3T3, Ramos, HeLa, RAW 264.7 (treated with 1 µg/ml LPS for 6 hours) and PC-12 (treated with 1 µg/ml LPS for 6 hours) whole cell lysates. ICC/IF: HeLa and Ramos cells. IP: Ramos 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

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, 0.05% BSA, 40% Glycerol

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR19302
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab199336** in the following tested applications.

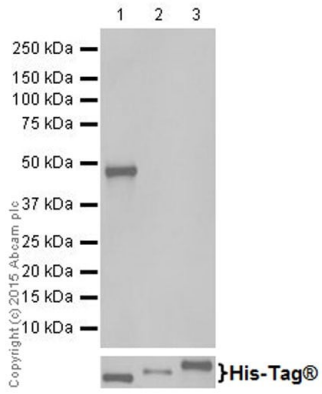
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 46 kDa (predicted molecular weight: 46 kDa).
IP		1/30.
ICC/IF		1/100.

Target

Function	Scaffold protein involved in the IL-1 signaling pathway via its interaction with the complex containing IRAK kinases and TRAF6. Required for NF-kappa-B activation and IL-8 gene expression in response to IL-1.
Sequence similarities	Belongs to the pellino family.

Images



Western blot - Anti-Pellino 1 antibody [EPR19302] (ab199336)

All lanes : Anti-Pellino 1 antibody [EPR19302] (ab199336) at 1/5000 dilution

Lane 1 : Human PELI1 full length recombinant protein
Lane 2 : Human PELI2 full length recombinant protein
Lane 3 : Human PELI3 full length recombinant protein

Lysates/proteins at 0.01 µg per lane.

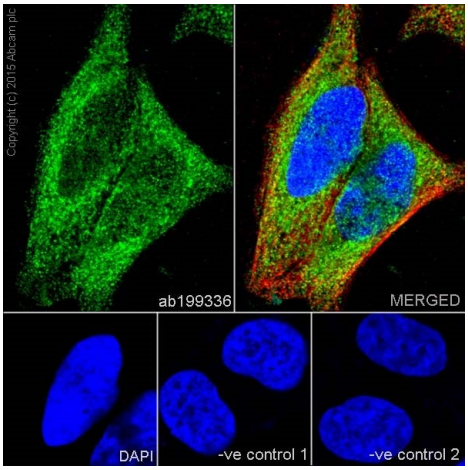
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Predicted band size: 46 kDa
Observed band size: 46 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.

Human PELI 1 full length recombinant protein contain aa1-418 with a His-Tag®. Human PELI 2 full length recombinant protein contain aa1-420 with a His-Tag®. Human PELI3 full length recombinant protein contain aa1-469 with a His-Tag®. All three recombinant human fragment proteins were made in-house.

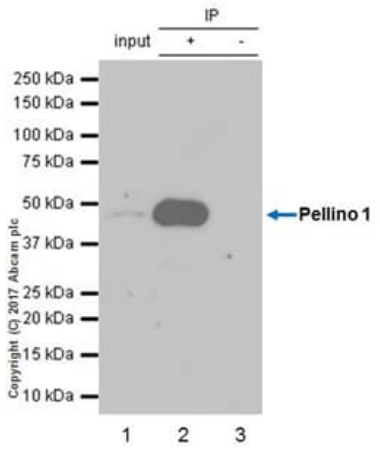


Immunocytochemistry/ Immunofluorescence - Anti-Pellino 1 antibody [EPR19302] (ab199336)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (Human epithelial cell line from cervix adenocarcinoma) cells labeling Pellino 1 with ab199336 at 1/100 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic and nuclear staining on HeLa cell line. The nuclear counter stain is DAPI (blue).

Tubulin is detected with Anti-alpha Tubulin antibody [EPR19302] - Loading Control (ab7291) at 1/1000 dilution and Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) preadsorbed (ab150120) at 1/1000 dilution (red).

The negative controls are as follows:
-ve control 1: ab199336 at 1/100 dilution followed by ab150120 at 1/1000 dilution.
-ve control 2: ab7291 at 1/1000 dilution followed by ab150077 at 1/1000 dilution.

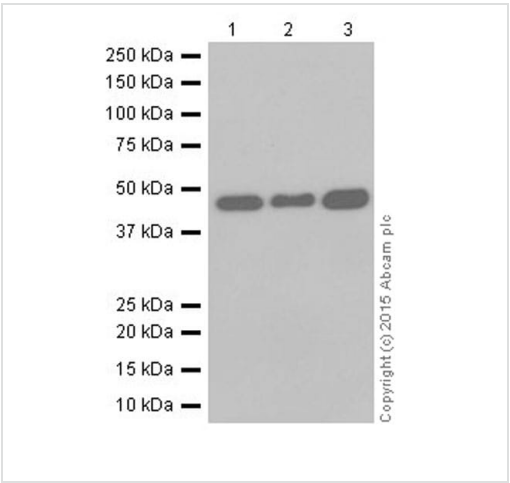


Immunoprecipitation - Anti-Pellino 1 antibody [EPR19302] (ab199336)

Lane 1 (input): Mouse brain lysate, 10µg
Lane 2 (+): Mouse brain lysate
Lane 3 (-): Rabbit monoclonal IgG (ab172730) instead of ab199336 in Mouse brain lysate

Ab199336 immunoprecipitating Pellino in Mouse brain lysate. For western blotting, primary antibody used was ab199336 at 1:500 dilution. VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/1000 dilution.

Blocking and diluting buffer: 5% NFDM/TBST



Western blot - Anti-Pellino 1 antibody [EPR19302] (ab199336)

All lanes : Anti-Pellino 1 antibody [EPR19302] (ab199336) at 1/1000 dilution

Lane 1 : Human fetal liver lysate
Lane 2 : Human fetal heart lysate
Lane 3 : Human fetal kidney lysate

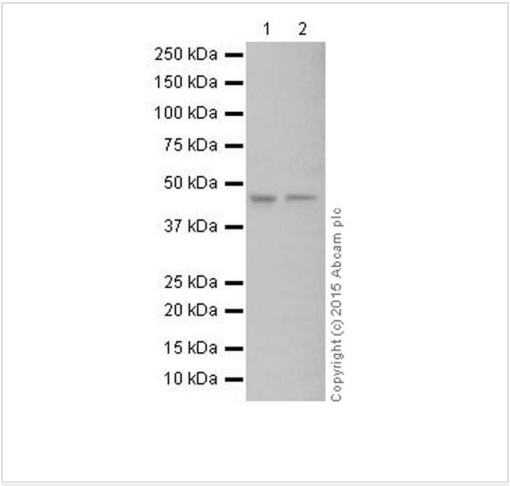
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/10000 dilution

Predicted band size: 46 kDa
Observed band size: 46 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Pellino 1 antibody [EPR19302] (ab199336)

All lanes : Anti-Pellino 1 antibody [EPR19302] (ab199336) at 1/1000 dilution

Lane 1 : PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate
Lane 2 : NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate

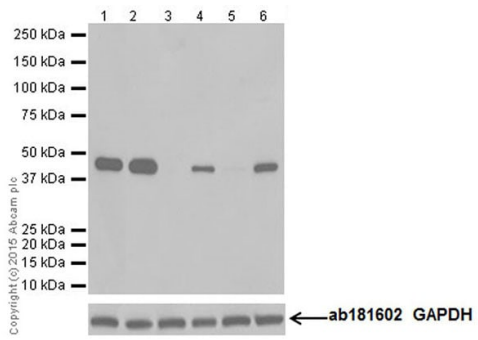
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/10000 dilution

Predicted band size: 46 kDa
Observed band size: 46 kDa

Exposure time: 1 minute

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Pellino 1 antibody [EPR19302] (ab199336)

All lanes : Anti-Pellino 1 antibody [EPR19302] (ab199336) at 1/1000 dilution

Lane 1 : Ramos (Human Burkitt's lymphoma cell line) whole cell lysate
Lane 2 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate
Lane 3 : Untreated RAW 264.7 (Mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate
Lane 4 : RAW 264.7 (Mouse macrophage cell line transformed with Abelson murine leukemia virus) treated with 1 µg/ml LPS for 6 hours whole cell lysate
Lane 5 : Untreated PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate
Lane 6 : PC-12 (Rat adrenal gland pheochromocytoma cell line) treated with 1 µg/ml LPS for 6 hours whole cell lysate

Lysates/proteins at 20 µg per lane.

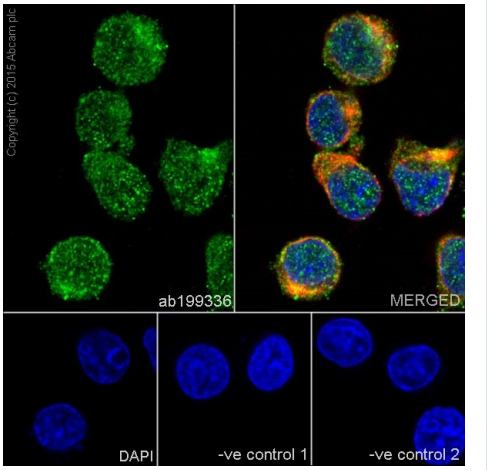
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Predicted band size: 46 kDa
Observed band size: 46 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.

The expression of Pellino 1 can be induced by LPS. (PMID: 21204785).

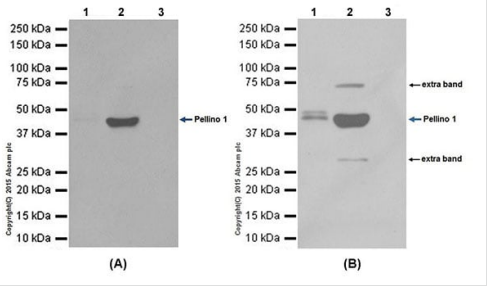


Immunocytochemistry/ Immunofluorescence - Anti-Pellino 1 antibody [EPR19302] (ab199336)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Ramos (Human Burkitt's lymphoma cell line) cells labeling Pellino 1 with ab199336 at 1/100 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic and nuclear staining on Ramos cell line. The nuclear counter stain is DAPI (blue).

Tubulin is detected with Anti-alpha Tubulin antibody [EPR19302] - Loading Control (ab7291) at 1/1000 dilution and Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) preadsorbed (ab150120) at 1/1000 dilution (red).

The negative controls are as follows:
-ve control 1: ab199336 at 1/100 dilution followed by ab150120 at 1/1000 dilution.
-ve control 2: ab7291 at 1/1000 dilution followed by ab150077 at 1/1000 dilution.



Immunoprecipitation - Anti-Pellino 1 antibody [EPR19302] (ab199336)

Pellino 1 was immunoprecipitated from 1mg of Ramos (Human Burkitt's lymphoma cell line) whole cell lysate with ab199336 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab199336 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/10000 dilution.
Lane 1: Ramos whole cell lysate 10µg (Input).
Lane 2: ab199336 IP in Ramos whole cell lysate.
Lane 3: Rabbit IgG,monoclonal [EPR19302] - Isotype Control (ab172730) instead of ab199336 in Ramos whole cell lysate.
Blocking and dilution buffer and concentration: 5% NFDM/TBST.
Exposure time: (A): 30 seconds; (B): 3 minutes.

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors