

Anti-PCIF1 antibody [EPR24319-21] - BSA and Azide free ab281938

Recombinant RabMAb

[5 Images](#)

Overview

Product name	Anti-PCIF1 antibody [EPR24319-21] - BSA and Azide free
Description	Rabbit monoclonal [EPR24319-21] to PCIF1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IP, WB Unsuitable for: Flow Cyt (Intra), ICC/IF or IHC-P
Species reactivity	Reacts with: Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: 293T, MCF-7, HeLa, Jurkat, Human testis and Rat liver, Rat testis lysates. IP: MCF-7 cells.
General notes	ab281938 is the carrier-free version of ab271081 .

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

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.
Storage buffer	pH: 7.2 Constituent: 100% PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR24319-21
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab281938 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

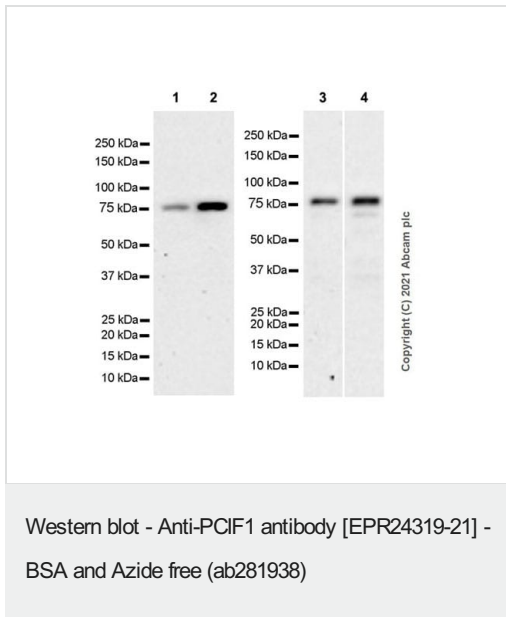
Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 81 kDa.

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

Target

Function	May play a role in transcription elongation or in coupling transcription to pre-mRNA processing through its association with the phosphorylated C-terminal domain (CTD) of RNAPII largest subunit.
Tissue specificity	Ubiquitous.
Sequence similarities	Contains 1 WW domain.
Domain	The WW domain is sufficient for direct and specific interaction with the phosphorylated CTD of RNAPII largest subunit.
Cellular localization	Nucleus.

Images



All lanes : Anti-PCIF1 antibody [EPR24319-21] (**ab271081**) at 1/1000 dilution

Lane 1 : 293T (human embryonic kidney epithelial cell) whole cell lysate

Lane 2 : MCF-7 (human breast adenocarcinoma epithelial cell) whole cell lysate

Lane 3 : HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 4 : Jurkat (human T cell leukemia T lymphocyte) 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 (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 81 kDa

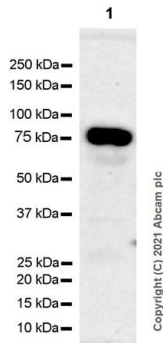
Observed band size: 85 kDa

This data was developed using 271081, the same antibody clone in a different buffer formulation.

Blocking and diluting buffer and concentration: 5% NFD/MTBST

This blot (lane 3 and 4) was developed using a higher sensitivity ECL substrate.

Exposure time: 3 minutes.



Western blot - Anti-PCIF1 antibody [EPR24319-21] - BSA and Azide free (ab281938)

Anti-PCIF1 antibody [EPR24319-21] (**ab271081**) at 1/1000 dilution
+ Human testis tissue lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

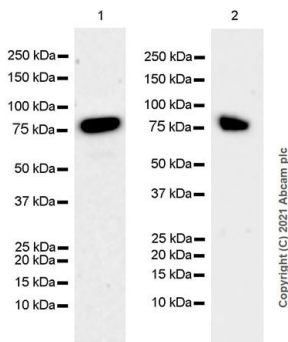
Predicted band size: 81 kDa

Observed band size: 85 kDa

This data was developed using **ab271081**, the same antibody clone in a different buffer formulation.

Blocking and diluting buffer and concentration: 5% NFDm/TBST

Exposure time: 3 minutes.



Western blot - Anti-PCIF1 antibody [EPR24319-21] - BSA and Azide free (ab281938)

All lanes : Anti-PCIF1 antibody [EPR24319-21] (**ab271081**) at 1/1000 dilution

Lane 1 : Rat liver tissue lysate

Lane 2 : Rat testis tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 81 kDa

Observed band size: 85 kDa

This data was developed using **ab271081**, the same antibody

clone in a different buffer formulation.

Blocking and diluting buffer and concentration: 5% NFDm/TBST

Exposure time: 3 minutes.

This data was developed using **ab271081**, the same antibody clone in a different buffer formulation.

PCIF1 was immunoprecipitated from 0.35 mg MCF-7 (human breast adenocarcinoma epithelial cell) whole cell lysate 10 ug with **ab271081** at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using **ab271081** at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP) (**ab131366**) was used at 1/5000 dilution.

Lane 1: MCF-7 (human breast adenocarcinoma epithelial cell) whole cell lysate 10 ug

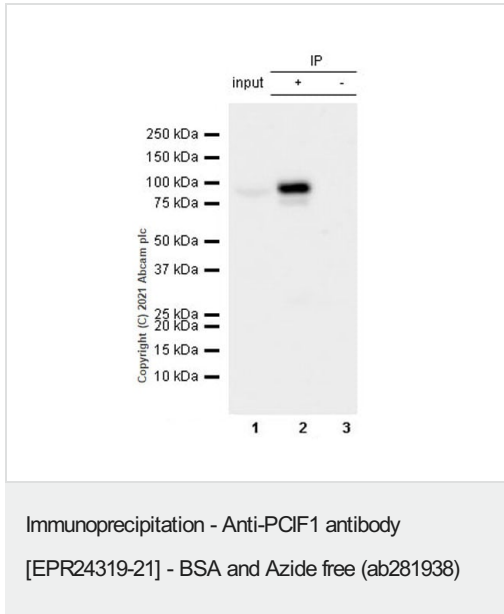
Lane 2: **ab271081** IP in MCF-7 whole cell lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab271081** in MCF-7 whole cell lysate

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

Exposure time: 24 seconds

This blot was developed using a higher sensitivity ECL substrate.



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-PCIF1 antibody [EPR24319-21] - BSA and Azide free (ab281938)

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

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