

Product datasheet

Anti-PCGF6 antibody [EPR19450] **ab200038**

Recombinant **RabMAb**

2 References [5 Images](#)

Overview

Product name	Anti-PCGF6 antibody [EPR19450]
Description	Rabbit monoclonal [EPR19450] to PCGF6
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IP
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Mouse testis, thymus, ovary and embryo lysates; F9, C6, RAW 264.7 and PC-12 whole cell lysates; rat testis lysate. ICC/IF: F9 cells. IP: F9 whole cell lysate.
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	EPR19450
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab200038 in the following tested applications.

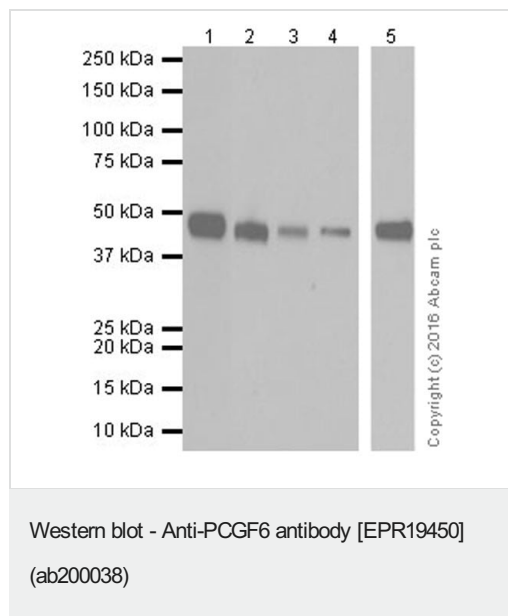
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 42 kDa (predicted molecular weight: 40 kDa).
ICC/IF		1/100. ICC is recommended for mouse only.
IP		1/30.

Target

Function	Transcriptional repressor. May modulate the levels of histone H3K4Me3 by activating KDM5D histone demethylase.
Tissue specificity	Ubiquitous.
Sequence similarities	Contains 1 RING-type zinc finger.
Post-translational modifications	Phosphorylated during mitosis. Phosphorylated on Ser-30 by CDK7 in vitro.
Cellular localization	Nucleus.

Images



All lanes : Anti-PCGF6 antibody [EPR19450] (ab200038) at 1/1000 dilution

Lane 1 : Mouse testis lysate

Lane 2 : Mouse thymus lysate

Lane 3 : Mouse ovary lysate

Lane 4 : Mouse embryo lysate

Lane 5 : F9 (Mouse embryonic testicular cancer cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

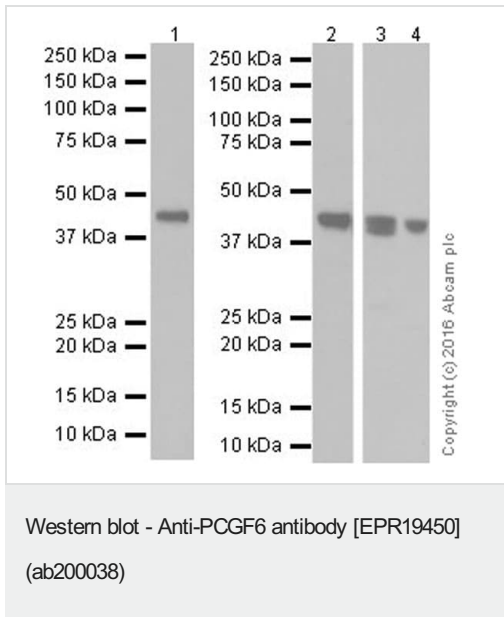
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 40 kDa

Observed band size: 42 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: Lane 1-4: 3 minutes; Lane 5: 10 seconds.



All lanes : Anti-PCGF6 antibody [EPR19450] (ab200038) at 1/1000 dilution

Lane 1 : Rat testis lysate

Lane 2 : C6 (Rat glial tumor cell line) whole cell lysate

Lane 3 : RAW 264.7 (Mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate

Lane 4 : PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

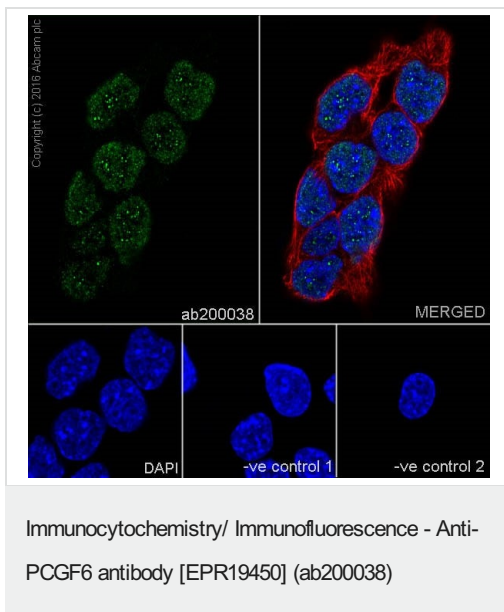
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 40 kDa

Observed band size: 42 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: Lane 1/2 : 3 minutes; Lane 3/4: 30 seconds.



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized F9 (Mouse embryonic testicular cancer cell line) cells labeling PCGF6 with ab200038 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing nuclear staining on F9 cells. The nuclear counterstain is DAPI (blue).

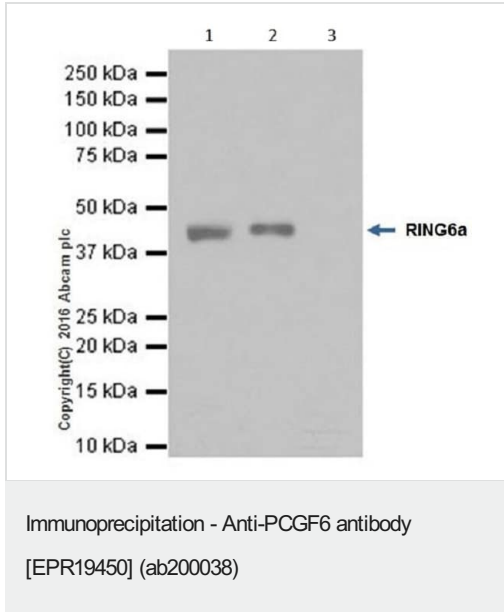
Tubulin is detected with Anti-alpha Tubulin mouse MAb (**ab7291**) at 1/1000 dilution, followed by Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) (**ab150120**) secondary antibody at 1/1000 dilution (red).

The negative controls are as follows:-

-ve control 1: ab200038 at 1/100 dilution, followed by Goat Anti-

Mouse IgG H&L (Alexa Fluor® 594) (**ab150120**) secondary antibody at 1/1000 dilution.

-ve control 2: Anti-alpha Tubulin mouse MAb (**ab7291**) at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution.



Ab200038 Immunoprecipitating PCGF6 in F9(mouse embryonal carcinoma) whole cell lysate. 350µg of cell lysate was incubated with primary antibody (2 µg/ml). For western blotting Ab200038 (1/1000) was used to confirm successful immunoprecipitation. For detection VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1/1000.

Lane 1: (Input) F9(mouse embryonal carcinoma) whole cell lysate 10µg

Lane 2: (+) F9 whole cell lysate

Lane 3: (-) Rabbit monoclonal IgG (**ab172730**) instead of ab200038 in F9 whole cell lysate

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-PCGF6 antibody [EPR19450] (ab200038)

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

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