

Product datasheet

Anti-PCGF6 antibody [EPR19450] - BSA and Azide free ab251294

Recombinant RabMAb

5 Images

Overview

Product name	Anti-PCGF6 antibody [EPR19450] - BSA and Azide free
Description	Rabbit monoclonal [EPR19450] to PCGF6 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IP, ICC/IF
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab251294 is the carrier-free version of ab200038.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR19450
Isotype	IgG

Applications

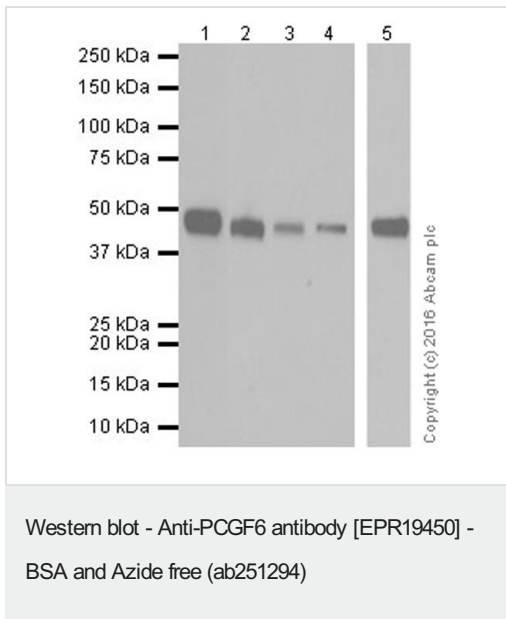
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251294 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 42 kDa (predicted molecular weight: 40 kDa).
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration. ICC is recommended for mouse only.

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

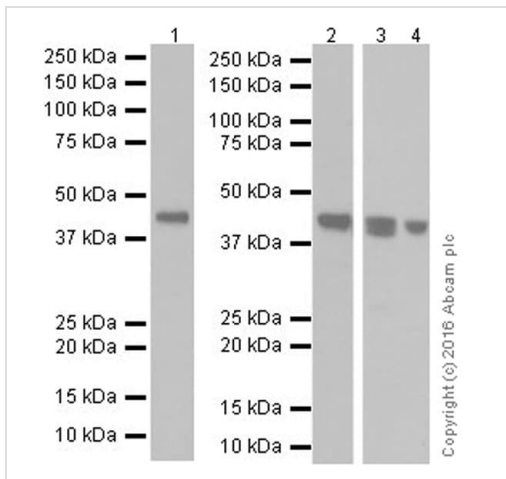
Predicted band size: 40 kDa

Observed band size: 42 kDa

This data was developed using [ab200038](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDm/TBST.

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



Western blot - Anti-PCGF6 antibody [EPR19450] - BSA and Azide free (ab251294)

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

Lane 1 : Rat testis lysate

Lane 2 : C6 (Rat glioma 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

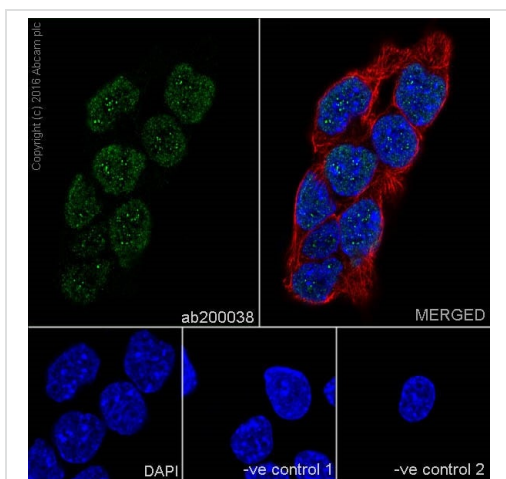
Predicted band size: 40 kDa

Observed band size: 42 kDa

This data was developed using **ab200038**, the same antibody clone in a different buffer formulation.

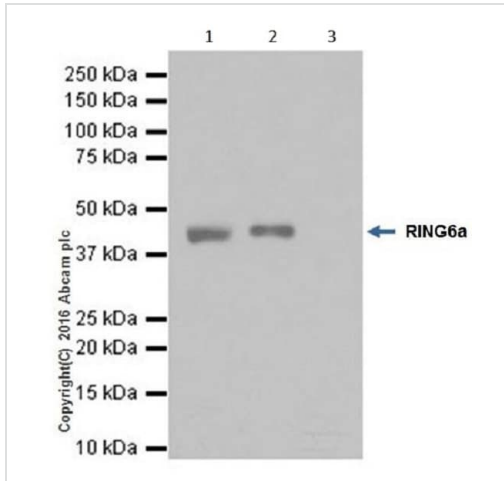
Blocking and dilution buffer: 5% NFDM/TBST.

Exposure times: Lanes 1-2 : 3 minutes; Lanes 3-4: 30 seconds.



Immunocytochemistry/ Immunofluorescence - Anti-PCGF6 antibody [EPR19450] - BSA and Azide free (ab251294)

This data was developed using **ab200038**, the same antibody clone in a different buffer formulation. 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.



Immunoprecipitation - Anti-PCGF6 antibody [EPR19450] - BSA and Azide free (ab251294)

This data was developed using **ab200038**





44; the same antibody clone in a different buffer formulation. **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?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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

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