

## Product datasheet

### Anti-PFKM + PFKP antibody [EPR17314] ab204131

Recombinant RabMAb

[11 References](#) [10 Images](#)

#### Overview

<b>Product name</b>	Anti-PFKM + PFKP antibody [EPR17314]
<b>Description</b>	Rabbit monoclonal [EPR17314] to PFKM + PFKP
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, IP, Flow Cyt (Intra)
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	<p><b>This product was produced with the following immunogens:</b></p> <p>Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.</p> <p>Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.</p>
<b>Positive control</b>	WB: MCF-7, HeLa, Raji, Jurkat and NIH/3T3 whole cell lysates; Human fetal brain and fetal kidney lysates; Mouse and rat kidney and spleen lysates. ICC/IF: HeLa and MCF-7 cells. Flow Cyt (intra): Jurkat and MCF-7 cells. IP: MCF-7 whole cell lysate.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
<b>Purity</b>	Protein A purified

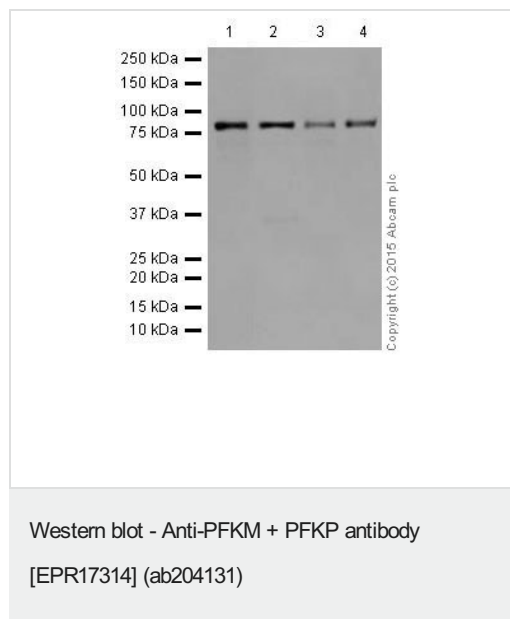
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR17314
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab204131 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
<b>WB</b>		1/2000. Detects a band of approximately 86 kDa (predicted molecular weight: 86 kDa).
<b>ICC/IF</b>		1/250.
<b>IP</b>		1/80.
<b>Flow Cyt (Intra)</b>		1/250.

## Images



**All lanes** : Anti-PFKM + PFKP antibody [EPR17314] (ab204131) at 1/20000 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** : Raji (Human Burkitt's lymphoma cell line) whole cell lysate

**Lane 4** : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

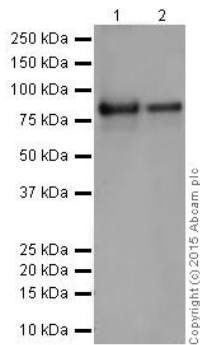
**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

**Predicted band size:** 86 kDa

**Observed band size:** 86 kDa

**Exposure time:** 5 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-PFKM + PFKP antibody  
[EPR17314] (ab204131)

**All lanes** : Anti-PFKM + PFKP antibody [EPR17314] (ab204131)  
at 1/2000 dilution

**Lane 1** : Human fetal brain lysate

**Lane 2** : Human fetal kidney lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

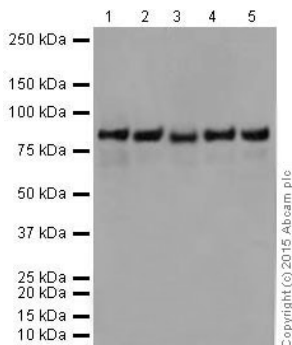
**All lanes** : Anti-Rabbit IgG (HRP), specific to the non-reduced form  
of IgG at 1/50000 dilution

**Predicted band size:** 86 kDa

**Observed band size:** 86 kDa

**Exposure time:** 5 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-PFKM + PFKP antibody  
[EPR17314] (ab204131)

**All lanes** : Anti-PFKM + PFKP antibody [EPR17314] (ab204131)  
at 1/2000 dilution

**Lane 1** : Mouse kidney lysate

**Lane 2** : Mouse spleen lysate

**Lane 3** : Rat kidney lysate

**Lane 4** : Rat spleen lysate

**Lane 5** : NIH/3T3 (Mouse embryo fibroblast cells) whole cell lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

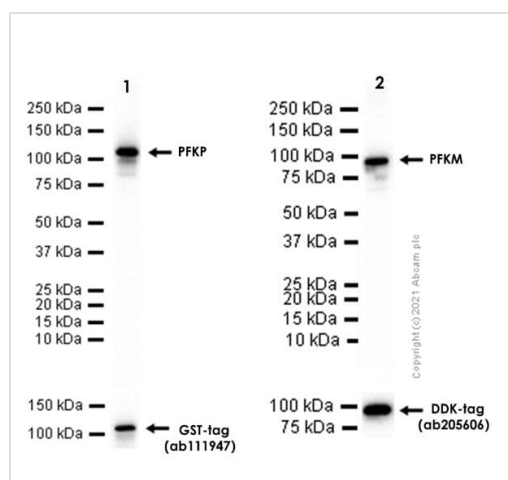
**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000  
dilution

**Predicted band size:** 86 kDa

**Observed band size:** 86 kDa

**Exposure time:** 5 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-PFKM + PFKP antibody  
[EPR17314] (ab204131)

**All lanes** : Anti-PFKM + PFKP antibody [EPR17314] (ab204131)  
at 1/1000 dilution

**Lane 1** : Recombinant Human PFKP protein ([ab132823](#))

**Lane 2** : DDK tagged Recombinant Human PFKM protein (Full  
length, 85 kDa)

## Secondary

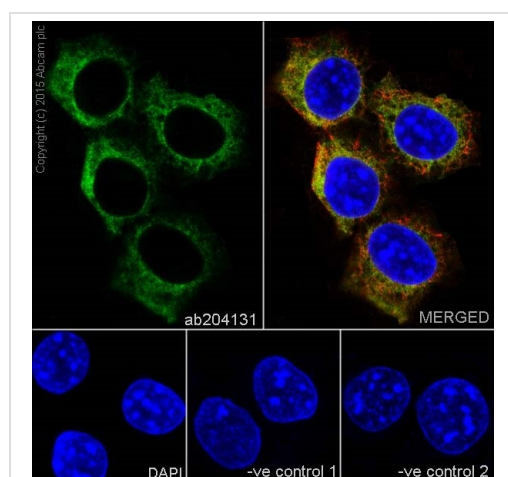
**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000  
dilution

**Predicted band size:** 86 kDa

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

Exposure time: Lane1: 10 seconds

Lane 2: 1 seconds



Immunocytochemistry/ Immunofluorescence - Anti-  
PFKM + PFKP antibody [EPR17314] (ab204131)

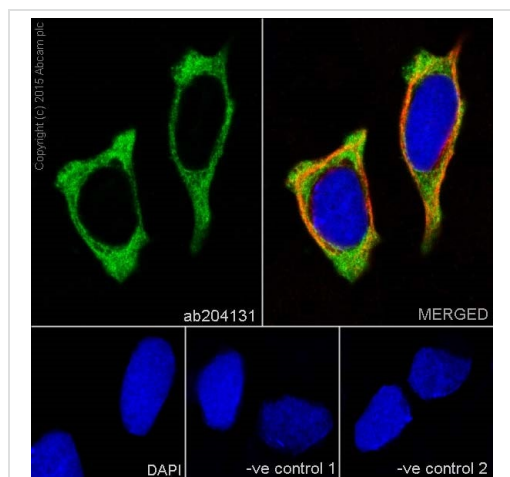
Immunofluorescent analysis of 100% methanol-fixed, 0.1% Triton X-  
100 permeabilized HeLa (Human epithelial cells from cervix  
adenocarcinoma) cells labeling PFKP with ab204131 at 1/250  
dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488)  
([ab150077](#)) secondary antibody at 1/1000 dilution (green).  
Confocal image showing cytoplasmic staining on HeLa cell line.  
The nuclear counter stain 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: ab204131 at 1/250 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.



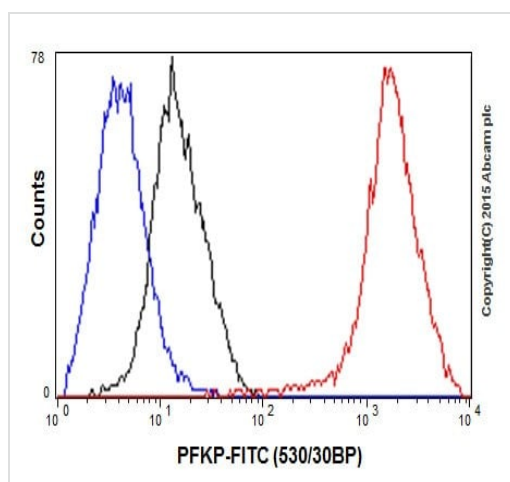
Immunocytochemistry/ Immunofluorescence - Anti-PFKM + PFKP antibody [EPR17314] (ab204131)

Immunofluorescent analysis of 100% methanol-fixed, 0.1% Triton X-100 permeabilized MCF7 (Human breast adenocarcinoma cell line) cells labeling PFKP with ab204131 at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining on MCF7 cell line. The nuclear counter stain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin mouse MAb ([ab7291](#)) at 1/1000 dilution and Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) ([ab150120](#)) secondary antibody at 1/1000 dilution (red).

The negative controls are as follows:

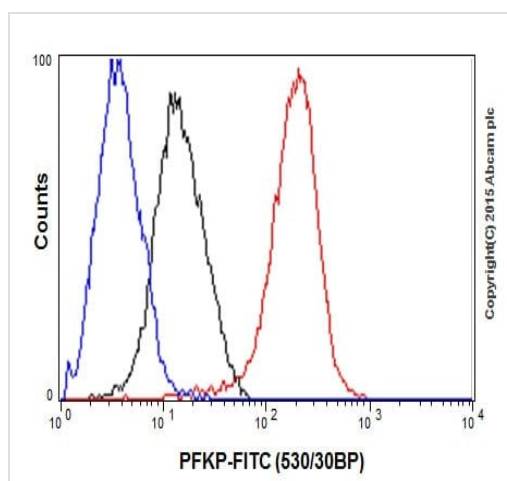
-ve control 1: ab204131 at 1/250 dilution followed by Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) ([ab150120](#)) secondary antibody at 1/1000 dilution.

-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.



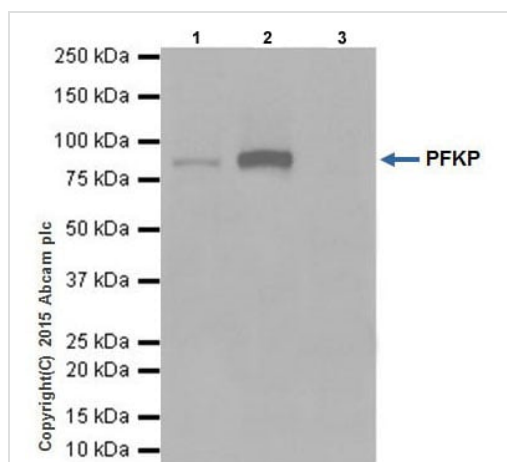
Flow Cytometry (Intracellular) - Anti-PFKM + PFKP antibody [EPR17314] (ab204131)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling PFKP with ab204131 at 1/250 dilution (red) compared with a rabbit monoclonal IgG isotype control ([ab172730](#); black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (FITC) at 1/500 dilution was used as the secondary antibody.



Flow Cytometry (Intracellular) - Anti-PFKM + PFKP antibody [EPR17314] (ab204131)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed MCF7 (Human breast adenocarcinoma cell line) cells labeling PFKP with ab204131 at 1/250 dilution (red) compared with a rabbit monoclonal IgG isotype control (**ab172730**; black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (FITC) at 1/500 dilution was used as the secondary antibody.



Immunoprecipitation - Anti-PFKM + PFKP antibody [EPR17314] (ab204131)

PFKP was immunoprecipitated from 1mg of MCF7 (Human breast adenocarcinoma cell line) whole cell lysate with ab204131 at 1/80 dilution.

Western blot was performed from the immunoprecipitate using ab204131 at 1/1000 dilution.

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.

Lane 1: MCF7 whole cell lysate 10ug (Input).

Lane 2: ab204131 IP in MCF7 whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab204131 in MCF7 whole cell lysate.

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

Exposure time: 10 seconds.

### 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-PFKM + PFKP antibody [EPR17314]  
(ab204131)

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

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