


## Product datasheet

# Anti-FAM96B antibody [EPR10178] ab166607

Recombinant **RabMAb**

[3 References](#) [4 Images](#)

### Overview

<b>Product name</b>	Anti-FAM96B antibody [EPR10178]
<b>Description</b>	Rabbit monoclonal [EPR10178] to FAM96B
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, Flow Cyt (Intra) <b>Unsuitable for:</b> ICC/IF or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	HeLa, K562 and Ramos cell lysates, k562 cells
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> . 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> .

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR10178

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab166607 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 - 1/10000. Detects a band of approximately 18 kDa (predicted molecular weight: 18 kDa).
IP		1/10 - 1/100.
Flow Cyt (Intra)		1/100 - 1/500. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

### Application notes

Is unsuitable for ICC/IF or IHC-P.

## Target

### Function

Component of the cytosolic iron-sulfur protein assembly (CIA) complex, a multiprotein complex that mediates the incorporation of iron-sulfur cluster into extramitochondrial Fe/S proteins. As part of the mitotic spindle-associated MMXD complex it plays a role in chromosome segregation, probably by facilitating iron-sulfur cluster assembly into ERCC2/XPD.

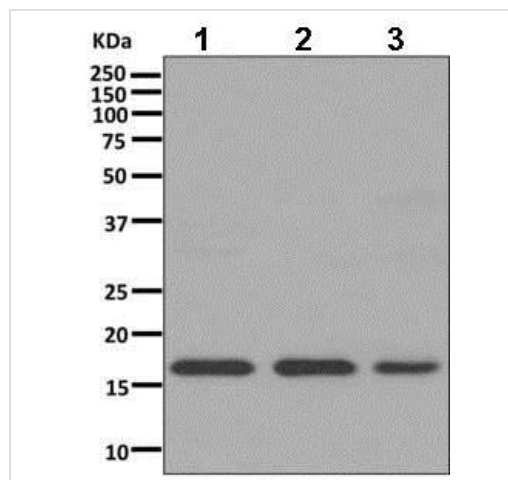
### Sequence similarities

Belongs to the MIP18 family.

### Cellular localization

Nucleus. Cytoplasm > cytoskeleton > spindle.

## Images



Western blot - Anti-FAM96B antibody [EPR10178] (ab166607)

**All lanes** : Anti-FAM96B antibody [EPR10178] (ab166607) at 1/1000 dilution

**Lane 1** : HeLa cell lysate

**Lane 2** : K562 cell lysate

**Lane 3** : Ramos cell lysate

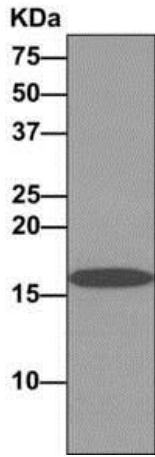
Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : HRP labelled goat anti-rabbit at 1/2000 dilution

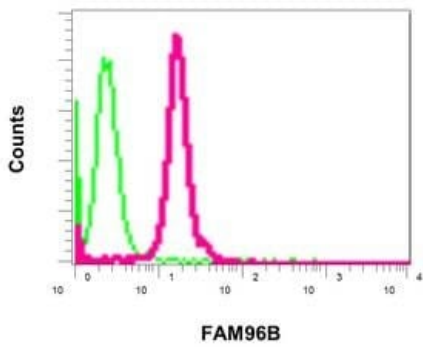
**Predicted band size:** 18 kDa

**Observed band size:** 18 kDa



Western blot analysis on immunoprecipitation pellet from HeLa cell lysate using ab166607 and HRP-conjugated anti-rabbit IgG, which preferentially detects the non-reduced form of rabbit IgG. Predicted band size : 18 kDa.

Immunoprecipitation - Anti-FAM96B antibody [EPR10178] (ab166607)





Intracellular flow cytometrical analysis of permeabilized K562 cells with ab166607 antibody at 1/100 (red) compared to a rabbit IgG negative (green).


Flow Cytometry (Intracellular) - Anti-FAM96B antibody [EPR10178] (ab166607)

### Why choose a recombinant antibody?

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**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-FAM96B antibody [EPR10178] (ab166607)

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

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- 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

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