

## Product datasheet

# Anti-PRD antibody [EPR16959] - BSA and Azide free ab251246

Recombinant RabMAb

[3 Images](#)

### Overview

<b>Product name</b>	Anti-PRD antibody [EPR16959] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR16959] to PRD - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<p>ab251246 is the carrier-free version of <a href="#">ab197890</a>.</p> <p>Our <b>carrier-free</b> 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 <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;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<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> 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"><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. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR16959
<b>Isotype</b>	IgG

## Applications

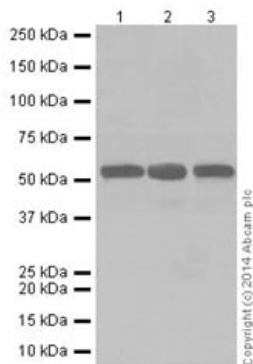
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab251246 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		Use at an assay dependent concentration. Detects a band of approximately 55 kDa (predicted molecular weight: 55 kDa).

## Target

<b>Function</b>	Splits dipeptides with a prolyl or hydroxyprolyl residue in the C-terminal position. Plays an important role in collagen metabolism because the high level of iminoacids in collagen.
<b>Involvement in disease</b>	Defects in PEPD are a cause of prolidase deficiency (PD) [MIM:170100]. Prolidase deficiency is an autosomal recessive disorder associated with iminodipeptiduria. The clinical phenotype includes skin ulcers, mental retardation, recurrent infections, and a characteristic facies. These features, however are incompletely penetrant and highly variable in both age of onset and severity. There is a tight linkage between the polymorphisms of prolidase and the myotonic dystrophy trait.
<b>Sequence similarities</b>	Belongs to the peptidase M24B family. Eukaryotic-type prolidase subfamily.

## Images



Western blot - Anti-PRD antibody [EPR16959] - BSA and Azide free (ab251246)

**All lanes** : Anti-PRD antibody [EPR16959] ([ab197890](#)) at 1/10000 dilution

**Lane 1** : HepG2 (Human liver hepatocellular carcinoma) whole cell lysate

**Lane 2** : SH-SY5Y (Human neuroblastoma from bone marrow cells) whole cell lysate

**Lane 3** : 293 (Human epithelial cells from embryonic kidney) whole cell lysate

Lysates/proteins at 20 µg per lane.

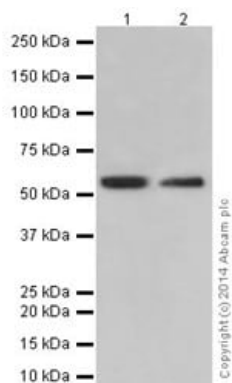
### Secondary

**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 55 kDa

This data was developed using [ab197890](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDm/TBST



Western blot - Anti-PRD antibody [EPR16959] - BSA and Azide free (ab251246)

**All lanes** : Anti-PRD antibody [EPR16959] ([ab197890](#)) at 1/1000 dilution

**Lane 1** : Human fetal kidney lysate

**Lane 2** : Human fetal placenta lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 55 kDa

This data was developed using [ab197890](#), the same antibody clone in a different buffer formulation.

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

## 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

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**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
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- Extensive multi-media technical resources to help you
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