

## Product datasheet

# Anti-DPP6 antibody [EPR15944] - BSA and Azide free ab251074

Recombinant RabMAb

[3 Images](#)

### Overview

<b>Product name</b>	Anti-DPP6 antibody [EPR15944] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR15944] to DPP6 - 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> Rat, Human
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<p>ab251074 is the carrier-free version of <a href="#">ab191421</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>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR15944
<b>Isotype</b>	IgG

## Applications

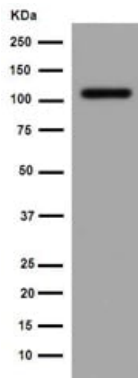
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab251074 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		Use at an assay dependent concentration. Detects a band of approximately 115 kDa (predicted molecular weight: 98 kDa).

## Target

<b>Function</b>	Promotes cell surface expression of the potassium channel KCND2 (PubMed:15454437, PubMed:19441798). Modulates the activity and gating characteristics of the potassium channel KCND2 (PubMed:18364354). Has no dipeptidyl aminopeptidase activity (PubMed:8103397, PubMed:15476821).
<b>Tissue specificity</b>	Expressed predominantly in brain.
<b>Involvement in disease</b>	Familial paroxysmal ventricular fibrillation 2 Mental retardation, autosomal dominant 33
<b>Sequence similarities</b>	Belongs to the peptidase S9B family.
<b>Post-translational modifications</b>	N-glycosylated.
<b>Cellular localization</b>	Cell membrane.

## Images



Western blot - Anti-DPP6 antibody [EPR15944] -  
BSA and Azide free (ab251074)

Anti-DPP6 antibody [EPR15944] ([ab191421](#)) at 1/1000 dilution +  
human fetal brain lysate at 20  $\mu$ g

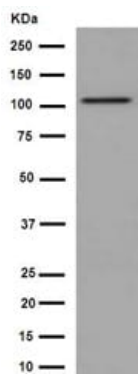
**Secondary**

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

**Predicted band size:** 98 kDa

**Observed band size:** 115 kDa

This data was developed using [ab191421](#), the same antibody  
clone in a different buffer formulation.



Western blot - Anti-DPP6 antibody [EPR15944] -  
BSA and Azide free (ab251074)

Anti-DPP6 antibody [EPR15944] ([ab191421](#)) at 1/1000 dilution +  
rat brain lysate at 10  $\mu$ g

**Secondary**

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

**Predicted band size:** 98 kDa

**Observed band size:** 115 kDa

This data was developed using [ab191421](#), the same antibody  
clone in a different buffer formulation.

### 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-DPP6 antibody [EPR15944] - BSA and Azide free (ab251074)

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

### Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- 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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors