

## Product datasheet

# Anti-POLDIP2 antibody [EPR13832] - BSA and Azide free ab232609

**KO VALIDATED** Recombinant RabMAb

3 Images

### Overview

<b>Product name</b>	Anti-POLDIP2 antibody [EPR13832] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR13832] to POLDIP2 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, Flow Cyt, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human POLDIP2 aa 300 to the C-terminus. The exact sequence is proprietary. Database link: <a href="#">Q9Y2S7</a>
<b>Positive control</b>	WB: Wild-type HAP1 whole cell lysate. HeLa and HepG2 whole cell lysate.
<b>General notes</b>	Ab232609 is the carrier-free version of <a href="#">ab181841</a> . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

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.

ab232609 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

*Maxpar® is a trademark of Fluidigm Canada Inc.*

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

## Properties

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<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>	Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR13832
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab232609** 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. Predicted molecular weight: 42 kDa.
Flow Cyt		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.

## Target

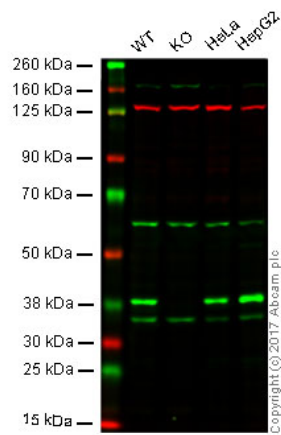
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<b>Sequence similarities</b>	Contains 1 apaG domain.
<b>Cellular localization</b>	Nucleus.

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## Images

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Western blot - Anti-POLDIP2 antibody [EPR13832] - BSA and Azide free (ab232609)

**Lane 1:** Wild-type HAP1 whole cell lysate (20 µg)

**Lane 2:** POLDIP2 knockout HAP1 whole cell lysate (20 µg)

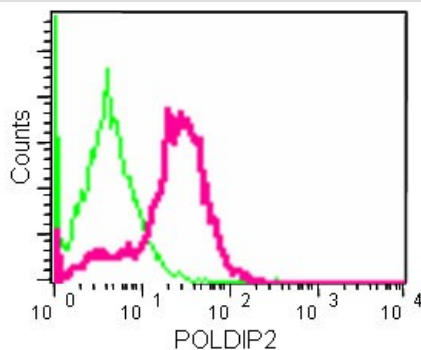
**Lane 3:** HeLa whole cell lysate (20 µg)

**Lane 4:** HepG2 whole cell lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green). Green - [ab181841](#) observed at 38 kDa. Red - loading control, [ab18058](#), observed at 130 kDa.

[ab181841](#) was shown to specifically recognize POLDIP2 in wild-type HAP1 cells along with additional cross-reactive bands. No band was observed when POLDIP2 knockout samples were examined. Wild-type and POLDIP2 knockout samples were subjected to SDS-PAGE. [ab181841](#) and [ab18058](#) (Mouse anti Vinculin loading control) were incubated overnight at 4°C at 1/1,000 dilution and 1/20,000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed ([ab216776](#)) secondary antibodies at 1/20,000 dilution for 1 hour at room temperature before imaging.

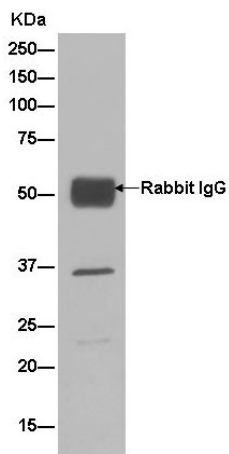
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab181841](#)).



Flow Cytometry - Anti-POLDIP2 antibody [EPR13832] - BSA and Azide free (ab232609)

Flow cytometric analysis of 2% paraformaldehyde-fixed HeLa cells labeling POLDIP2 with [ab181841](#) at 1/350 dilution (red) compared to a Rabbit monoclonal IgG Isotype control (green), followed by Goat anti rabbit IgG (FITC) secondary antibody at 1/150 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab181841](#)).



Immunoprecipitation - Anti-POLDIP2 antibody  
[EPR13832] - BSA and Azide free (ab232609)

Western blot analysis of HeLa cell lysate immunoprecipitated with [ab181841](#) at 1/40 dilution. Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate secondary antibody used at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab181841](#)).

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

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