

## Product datasheet

# Anti-HKDC1 antibody [EPR19835] - BSA and Azide free ab228817

Recombinant RabMAb

[3 Images](#)

### Overview

<b>Product name</b>	Anti-HKDC1 antibody [EPR19835] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR19835] to HKDC1 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: HeLa whole cell lysate.
<b>General notes</b>	<p>ab228817 is the carrier-free version of <a href="#">ab209846</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

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<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>	EPR19835
<b>Isotype</b>	IgG

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab228817 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. Predicted molecular weight: 103 kDa.
<b>IP</b>		Use at an assay dependent concentration.

## Target

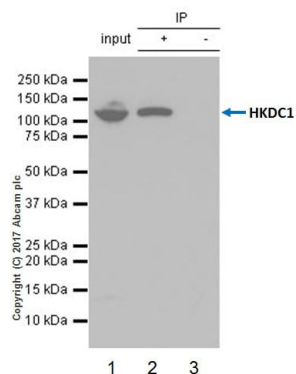
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<b>Pathway</b>	Carbohydrate metabolism; hexose metabolism.
<b>Sequence similarities</b>	Belongs to the hexokinase family.

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## Images

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Immunoprecipitation - Anti-HKDC1 antibody [EPR19835] - BSA and Azide free (ab228817)

HKDC1 was immunoprecipitated from 0.35 mg HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate with **ab209846** at 1/30 dilution. Western blot was performed from the immunoprecipitate using **ab209846** at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/1000 dilution.

**Lane 1:** HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate 10 µg (Input).

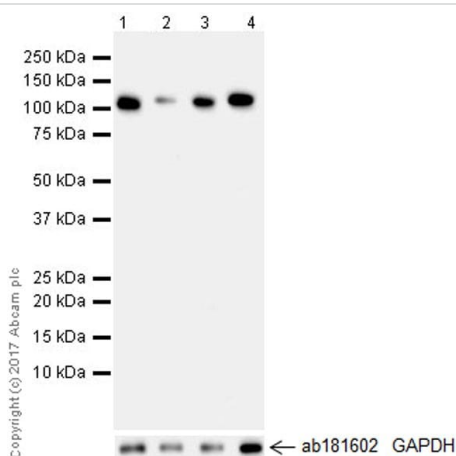
**Lane 2:** **ab209846** IP in HeLa whole cell lysate (+).

**Lane 3:** Rabbit monoclonal IgG (**ab172730**) instead of **ab209846** in HeLa whole cell lysate (-).

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

Exposure time: 3 seconds.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab209846**).



Western blot - Anti-HKDC1 antibody [EPR19835] - BSA and Azide free (ab228817)

**All lanes :** Anti-HKDC1 antibody [EPR19835] (**ab209846**) at 1/1000 dilution

**Lane 1 :** HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate

**Lane 2 :** HKDC1-knockdown HeLa cell lysate

**Lane 3 :** Hexokinase I-knockdown HeLa cell lysate

**Lane 4 :** Hexokinase II-knockdown HeLa cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Developed using the ECL technique.

**Predicted band size:** 103 kDa

**Observed band size:** 102 kDa

**Exposure time:** 3 minutes

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

The cell lysates were kindly provided by our collaborator Dr. Hui Jiang, NIBS.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab209846](#)).

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-HKDC1 antibody [EPR19835] - BSA and Azide free (ab228817)

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

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