


Product datasheet

Anti-COX7B antibody [EPR9326(B)] ab140629

KO VALIDATED Recombinant RabMAB

[1 References](#) [6 Images](#)

Overview

Product name	Anti-COX7B antibody [EPR9326(B)]
Description	Rabbit monoclonal [EPR9326(B)] to COX7B
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human COX7B aa 1-100. The exact sequence is proprietary.
Positive control	WB: HeLa, 293T and MCF7 cell lysates; fetal kidney and fetal heart tissue lysates. IHC-P: Human bladder carcinoma and Human kidney tissue. ICC/IF: 293 cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAB[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAB[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR9326(B)
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab140629 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. Predicted molecular weight: 9 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/250 - 1/500.

Application notes Is unsuitable for Flow Cyt or IP.

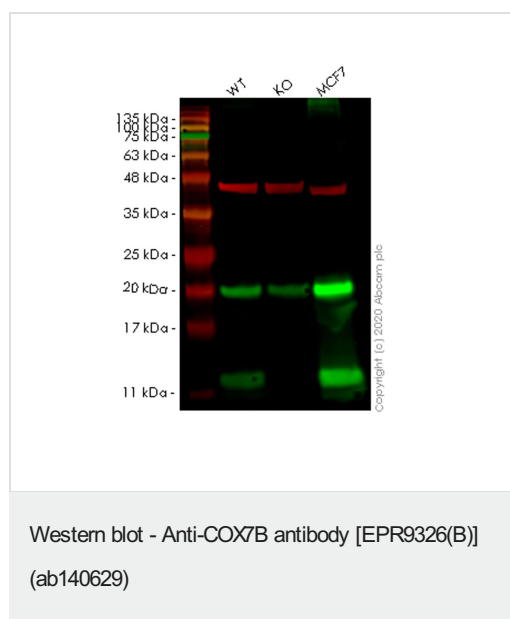
Target

Function This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.

Sequence similarities Belongs to the cytochrome c oxidase VIIb family.

Cellular localization Mitochondrion inner membrane.

Images



All lanes : Anti-COX7B antibody [EPR9326(B)] (ab140629) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : COX7B knockout HeLa cell lysate

Lane 3 : MCF7 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

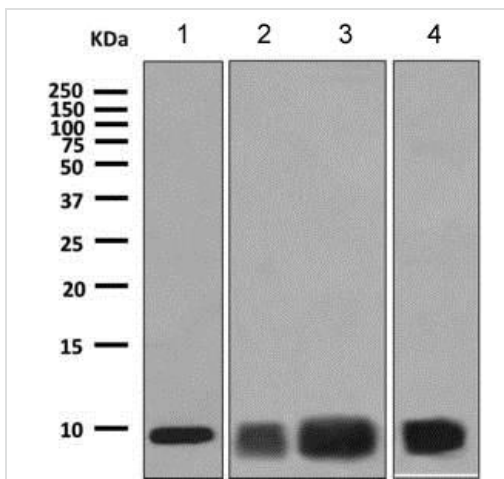
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) at 1/10000 dilution

Predicted band size: 9 kDa

Observed band size: 13 kDa

Lanes 1-3: Merged signal (red and green). Green - ab140629 observed at 13 kDa. Red - loading control **ab8245** observed at 36 kDa.

ab140629 Anti-COX7B antibody [EPR9326(B)] was shown to specifically react with COX7B in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265549** (knockout cell lysate **ab257897**) was used. Wild-type and COX7B knockout samples were subjected to SDS-PAGE. ab140629 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-COX7B antibody [EPR9326(B)]
(ab140629)

All lanes : Anti-COX7B antibody [EPR9326(B)] (ab140629) at 1/1000 dilution

Lane 1 : 293T cell lysate

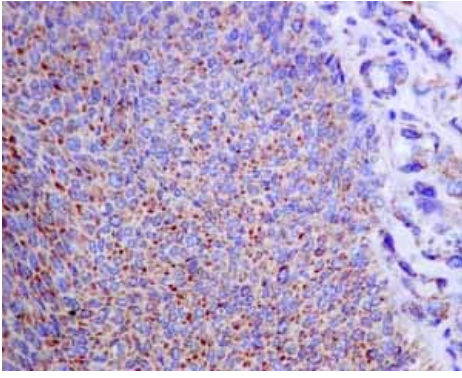
Lane 2 : Fetal kidney tissue lysate

Lane 3 : MCF7 cell lysate

Lane 4 : Fetal heart tissue lysate

Lysates/proteins at 10 µg per lane.

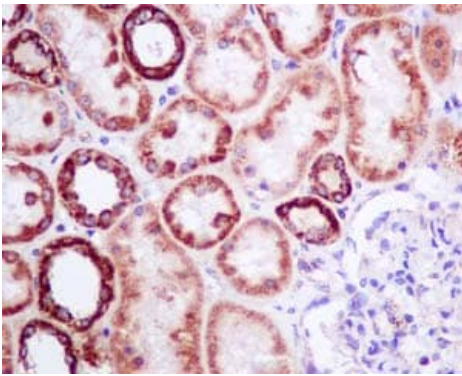
Predicted band size: 9 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-COX7B antibody [EPR9326(B)] (ab140629)

Immunohistochemical analysis of paraffin-embedded Human bladder carcinoma tissue labelling COX7B with ab140629 at 1/50 dilution.

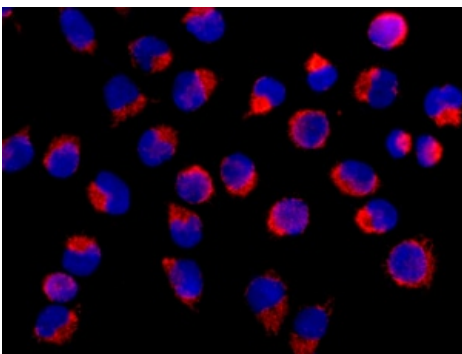
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-COX7B antibody [EPR9326(B)] (ab140629)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labelling COX7B with ab140629 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-COX7B antibody [EPR9326(B)] (ab140629)

Immunofluorescent staining of 293 cells labelling COX7B with ab140629 at 1/250 dilution.

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-COX7B antibody [EPR9326(B)] (ab140629)

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