

# Anti-Cytochrome P450 4A/CYP4A11 antibody [EPR8276] ab140635

Recombinant RabMAb

[5 References](#) [9 Images](#)

## Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-Cytochrome P450 4A/CYP4A11 antibody [EPR8276]   |
| <b>Description</b>         | Rabbit monoclonal [EPR8276] to Cytochrome P450 4A/CYP4A11  |
| <b>Host species</b>        | Rabbit   |
| <b>Specificity</b>         | The immunogen is homologous to human cytochrome P450 4A11 and 4A22. The specificity to these specific forms has not been confirmed experimentally.   |
| <b>Tested applications</b> | <b>Suitable for:</b> WB, IHC-P<br><b>Unsuitable for:</b> Flow Cyt or ICC/IF  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse, Rat, Human  |
| <b>Immunogen</b>           | Synthetic peptide corresponding to Human Cytochrome P450 4A/CYP4A11 aa 50-150. The immunogen is homologous to human cytochrome P450 4A11 and 4A22.   |
| <b>Positive control</b>    | Mouse liver, Rat liver, Human fetal kidney and fetal liver cell lysates. Human liver and kidney tissue.  |
| <b>General notes</b>       | This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> .<br>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> . |

## Properties

|                             |  |
|-----------------------------|--|
| <b>Form</b>                 | Liquid   |
| <b>Storage instructions</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.  |
| <b>Storage buffer</b>       | pH: 7.2<br>Preservative: 0.01% Sodium azide<br>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant |

|                     |                    |
|---------------------|--------------------|
| <b>Purity</b>       | Protein A purified |
| <b>Clonality</b>    | Monoclonal         |
| <b>Clone number</b> | EPR8276            |
| <b>Isotype</b>      | IgG                |

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab140635 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

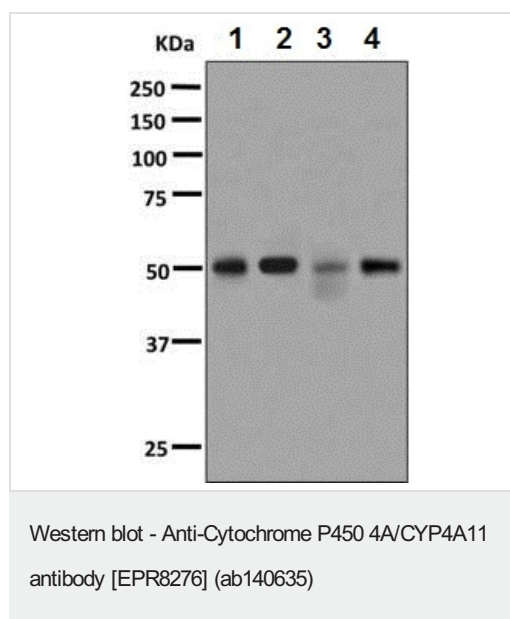
| Application  | Abreviews | Notes  |
|--------------|-----------|--|
| <b>WB</b>    |           | 1/1000 - 1/10000. Predicted molecular weight: 59 kDa.  |
| <b>IHC-P</b> |           | 1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |

**Application notes** Is unsuitable for Flow Cyt or ICC/IF.

## Target

|                              |  |
|------------------------------|--|
| <b>Function</b>              | Catalyzes the omega- and (omega-1)-hydroxylation of various fatty acids such as laurate, myristate and palmitate. Has little activity toward prostaglandins A1 and E1. Oxidizes arachidonic acid to 20-hydroxyeicosatetraenoic acid (20-HETE). |
| <b>Tissue specificity</b>    | Kidney and liver.  |
| <b>Sequence similarities</b> | Belongs to the cytochrome P450 family.   |
| <b>Cellular localization</b> | Endoplasmic reticulum membrane. Microsome membrane.  |

## Images



**All lanes** : Anti-Cytochrome P450 4A/CYP4A11 antibody [EPR8276] (ab140635) at 1/1000 dilution

**Lane 1** : Mouse liver lysate

**Lane 2** : Rat liver lysate

**Lane 3** : Human fetal kidney lysate

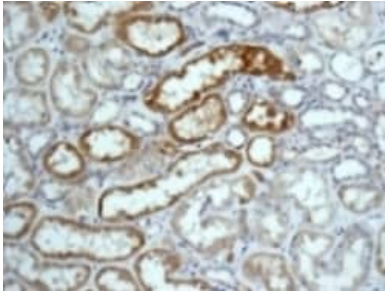
**Lane 4** : Human fetal liver lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : HRP labelled goat anti-rabbit at 1/2000 dilution

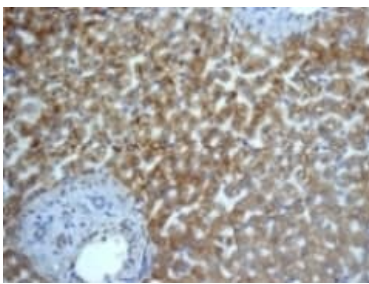
**Predicted band size:** 59 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytochrome P450 4A/CYP4A11 antibody [EPR8276] (ab140635)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labelling Cytochrome P450 4A/CYP4A11 with ab140635 at 1/50 dilution.

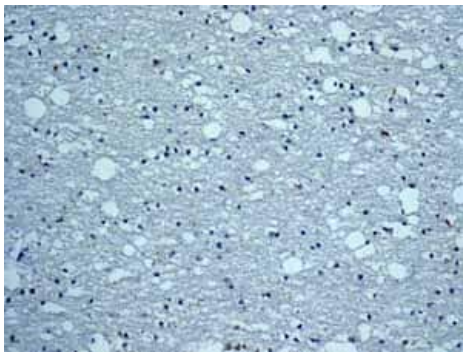
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytochrome P450 4A/CYP4A11 antibody [EPR8276] (ab140635)

Immunohistochemical analysis of paraffin-embedded Human liver tissue labelling Cytochrome P450 4A/CYP4A11 with ab140635 at 1/50 dilution.

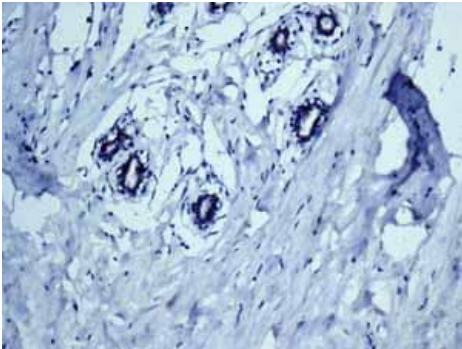
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytochrome P450 4A/CYP4A11 antibody [EPR8276] (ab140635)

Immunohistochemical analysis of paraffin embedded Normal Human Brain tissue using ab140635 showing -ve staining.

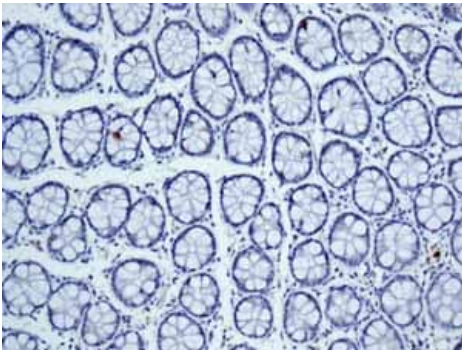
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytochrome P450 4A/CYP4A11 antibody [EPR8276] (ab140635)

Immunohistochemical analysis of paraffin embedded Normal Human Breast tissue using ab140635 showing -ve staining.

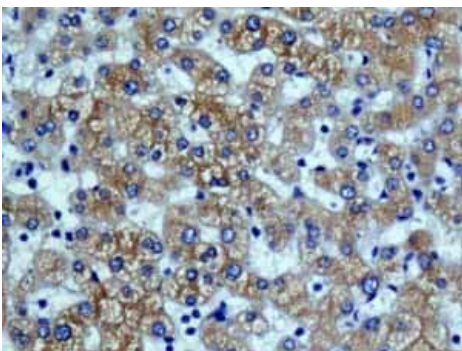
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytochrome P450 4A/CYP4A11 antibody [EPR8276] (ab140635)

Immunohistochemical analysis of paraffin embedded Normal Human Colon tissue using ab140635 showing -ve staining.

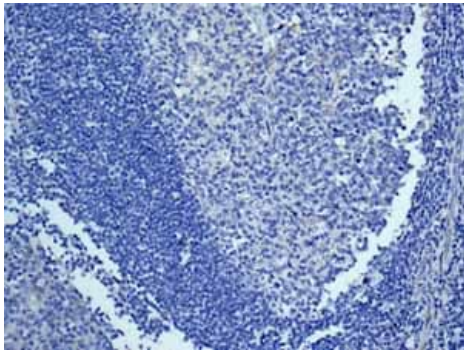
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytochrome P450 4A/CYP4A11 antibody [EPR8276] (ab140635)

Immunohistochemical analysis of paraffin embedded Normal Human Liver tissue using ab140635 showing +ve staining.

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



Immunohistochemical analysis of paraffin embedded Normal Human Tonsil tissue using ab140635 showing -ve staining.

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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytochrome P450 4A/CYP4A11 antibody [EPR8276] (ab140635)

Why choose a recombinant antibody?



Anti-Cytochrome P450 4A/CYP4A11 antibody [EPR8276] (ab140635)

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