

Product datasheet

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

Recombinant RabMAb

2 References 8 Images

Overview

Product name	Anti-Cytochrome P450 4A/CYP4A11 antibody [EPR8276]
Description	Rabbit monoclonal [EPR8276] to Cytochrome P450 4A/CYP4A11
Host species	Rabbit
Specificity	The immunogen is homologous to human cytochrome P450 4A11 and 4A22. The specificity to these specific forms has not been confirmed experimentally.
Tested applications	Suitable for: WB, IHC-P, IP Unsuitable for: Flow Cyt or ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide corresponding to Human Cytochrome P450 4A/CYP4A11 aa 50-150. The immunogen is homologous to human cytochrome P450 4A11 and 4A22.
Positive control	Mouse liver, Rat liver, Human fetal kidney and fetal liver cell lysates. Human liver and kidney tissue.
General notes	

This product was previously labelled as Cytochrome P450 4A

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

This product is a [recombinant rabbit monoclonal antibody](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant

Clonality	Monoclonal
Clone number	EPR8276
Isotype	IgG

Applications

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
WB		1/1000 - 1/10000. Predicted molecular weight: 59 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		1/10 - 1/100.

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

Target

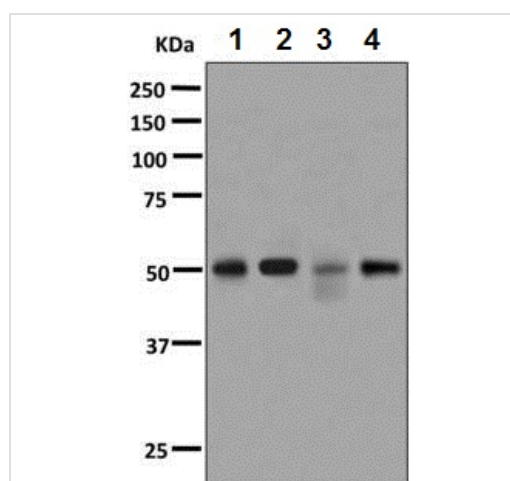
Function Catalyzes the omega- and (omega-1)-hydroxylation of various fatty acids such as laurate, myristate and palmitate. Has little activity toward prostaglandins A1 and E1. Oxidizes arachidonic acid to 20-hydroxyeicosatetraenoic acid (20-HETE).

Tissue specificity Kidney and liver.

Sequence similarities Belongs to the cytochrome P450 family.

Cellular localization Endoplasmic reticulum membrane. Microsome membrane.

Images



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

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

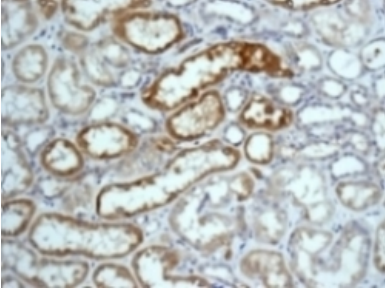
Lane 4 : Human fetal liver lysate

Lysates/proteins at 10 µg per lane.

Secondary

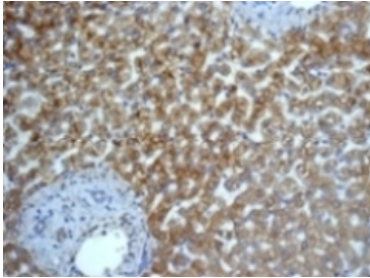
All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 59 kDa



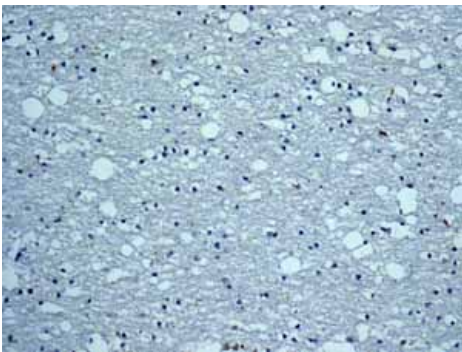
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytochrome P450 4A/CYP4A11 antibody [EPR8276] (ab140635)

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



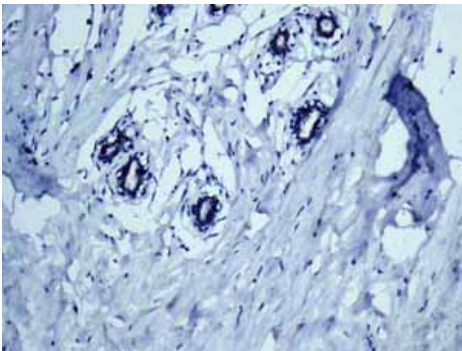
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytochrome P450 4A/CYP4A11 antibody [EPR8276] (ab140635)

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



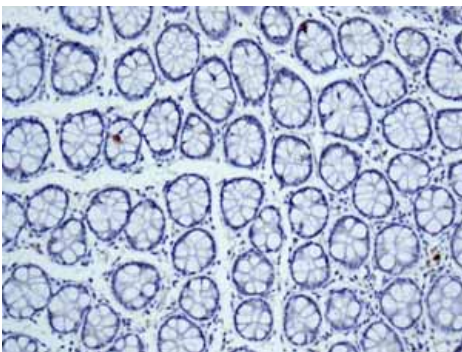
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytochrome P450 4A/CYP4A11 antibody [EPR8276] (ab140635)

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



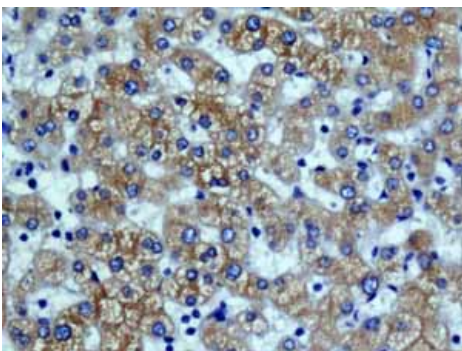
Immunohistochemical analysis of paraffin embedded Normal Human Breast tissue using ab140635 showing -ve staining.

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



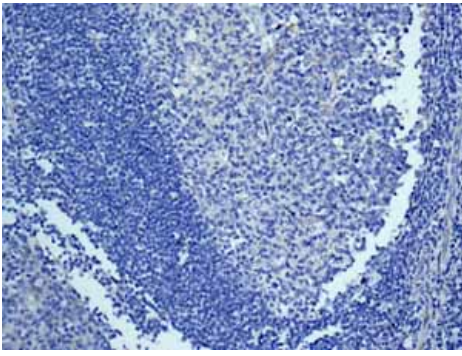
Immunohistochemical analysis of paraffin embedded Normal Human Colon tissue using ab140635 showing -ve staining.

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.

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



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

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

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