

Product datasheet

Anti-CYP3A5 antibody [EPR4396] α b108624

Recombinant RabMAb

[7 References](#) [13 Images](#)

Overview

Product name	Anti-CYP3A5 antibody [EPR4396]
Description	Rabbit monoclonal [EPR4396] to CYP3A5
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human fetal liver and colon tissue lysates. IHC-P: Human liver and kidney tissues. IP: Human fetal liver tissue lysate.
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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EPR4396
Isotype	IgG

Applications

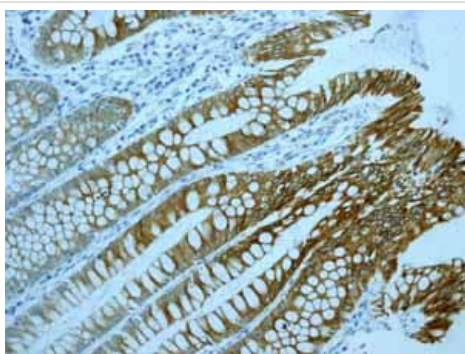
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab108624 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 57 kDa. For unpurified use at 1/400.
IP		1/50. For unpurified use at 1/20.
IHC-P		1/250. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols</u> . For unpurified use at 1/80.

Target

Function	Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics.
Sequence similarities	Belongs to the cytochrome P450 family.
Cellular localization	Endoplasmic reticulum membrane. Microsome membrane.

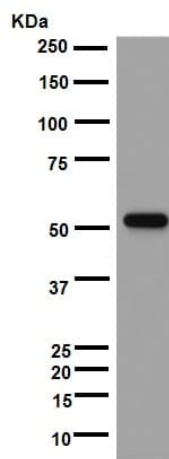
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP3A5 antibody [EPR4396] (ab108624)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of normal human colon tissue labelling CYP3A5 with unpurified ab108624. Positive staining is shown.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-CYP3A5 antibody [EPR4396]
(ab108624)

Anti-CYP3A5 antibody [EPR4396] (ab108624) at 1/400 dilution
(unpurified) + Human fetal liver tissue lysate at 20 µg

Secondary

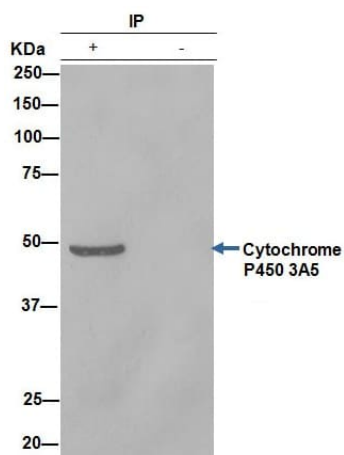
HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of
IgG at 1/1000 dilution

Predicted band size: 57 kDa

Observed band size: 52 kDa

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.

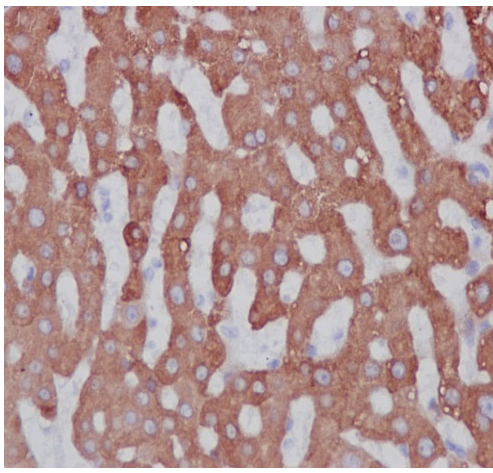


Immunoprecipitation - Anti-CYP3A5 antibody
[EPR4396] (ab108624)

ab108624 (unpurified) at 1/20 immunoprecipitating CYP3A5 in
human fetal liver tissue lysate (Lane 1). Lane 2 - PBS. For western
blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-
reduced form of IgG was used as the secondary antibody (1/1500).

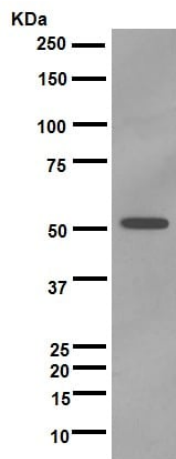
Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP3A5 antibody [EPR4396] (ab108624)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue labelling CYP3A5 with unpurified ab108624 at 1/80. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. A prediluted HRP-polymer conjugated anti-rabbit IgG was used as the secondary antibody. Counterstained with Hematoxylin.



Western blot - Anti-CYP3A5 antibody [EPR4396] (ab108624)

Anti-CYP3A5 antibody [EPR4396] (ab108624) at 1/1000 dilution (purified) + Human fetal liver tissue lysate at 20 µg

Secondary

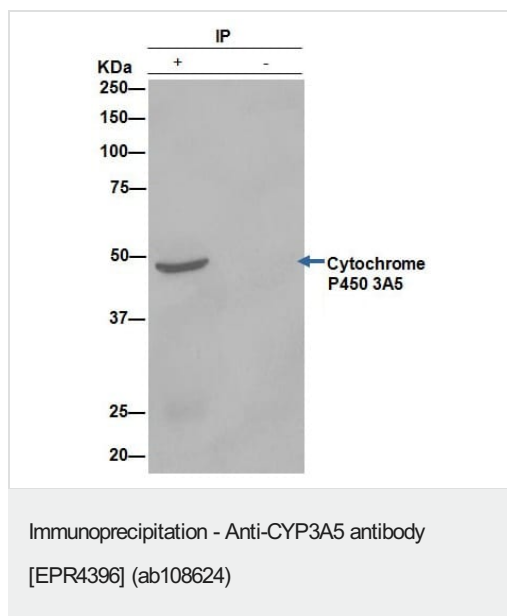
HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 57 kDa

Observed band size: 52 kDa

Blocking buffer and concentration: 5% NFDM/TBST.

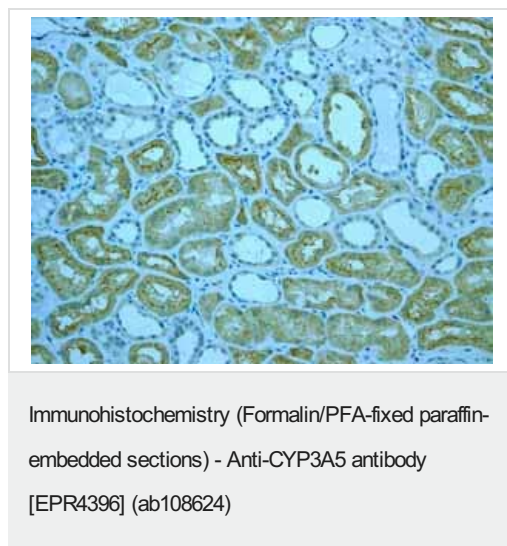
Diluting buffer and concentration: 5% NFDM /TBST.



ab108624 (purified) at 1/50 immunoprecipitating CYP3A5 in human fetal liver tissue lysate (Lane 1). Lane 2 - PBS. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the secondary antibody (1/1500).

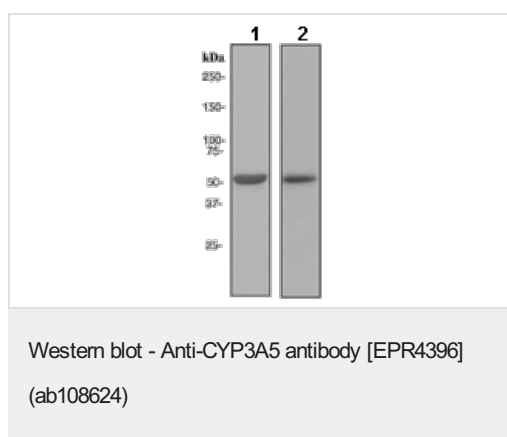
Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of normal human kidney tissue labelling CYP3A5 with unpurified ab108624. Positive staining is shown.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



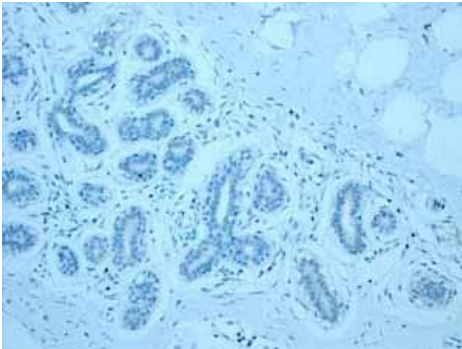
All lanes : Anti-CYP3A5 antibody [EPR4396] (ab108624) at 1/1000 dilution (unpurified)

Lane 1 : Human fetal liver tissue lysate

Lane 2 : Human fetal colon tissue lysate

Lysates/proteins at 10 µg per lane.

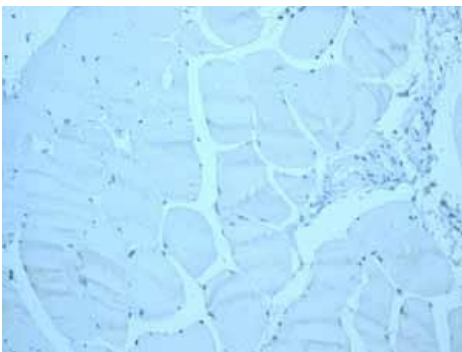
Predicted band size: 57 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP3A5 antibody [EPR4396] (ab108624)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of normal human breast tissue labelling CYP3A5 with unpurified ab108624. Negative staining is shown.

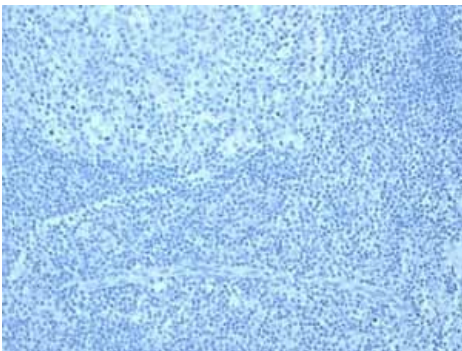
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP3A5 antibody [EPR4396] (ab108624)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human skeletal muscle tissue labelling CYP3A5 with unpurified ab108624. Negative staining is shown.

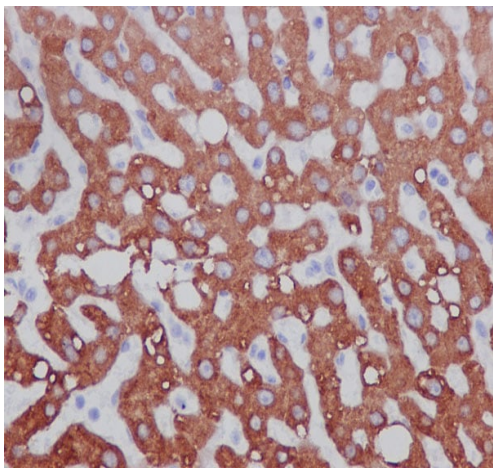
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP3A5 antibody [EPR4396] (ab108624)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of normal human tonsil tissue labelling CYP3A5 with unpurified ab108624. Negative staining is shown.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue labelling CYP3A5 with purified ab108624 at 1/250. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. A prediluted HRP-polymer conjugated anti-rabbit IgG was used as the secondary antibody. Counterstained with Hematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP3A5 antibody [EPR4396] (ab108624)

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-CYP3A5 antibody [EPR4396] (ab108624)

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