

Anti-Cytochrome P450 3A4/CYP3A4 antibody ab3572

29 References **画像数 4**

製品の概要

製品名	Anti-Cytochrome P450 3A4/CYP3A4 antibody
製品の詳細	Rabbit polyclonal to Cytochrome P450 3A4/CYP3A4
由来種	Rabbit
アプリケーション	適用あり: WB
種交差性	交差種: Mouse, Rat, Human
免疫原	Recombinant full length protein (His-tag) corresponding to Human Cytochrome P450 3A4/CYP3A4. Purified, His-tagged, full length human P450 3A4 fusion protein.
ポジティブ・コントロール	WB: Rat and mouse liver lysate.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.05% Sodium azide Constituents: PBS, 0.1% BSA
精製度	Ammonium Sulphate Precipitation
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee

Abpromise保証は、 次のテスト済みアプリケーションにおけるab3572の使用に適用されます

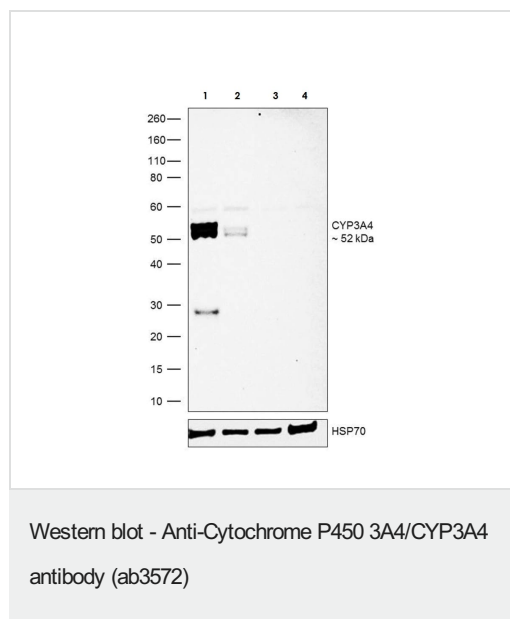
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/5000. Detects a band of approximately 52 kDa (predicted molecular weight: 57 kDa). A 46kDa band is detected in rat liver extracts.

ターゲット情報

機能	Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It performs a variety of oxidation reactions (e.g. caffeine 8-oxidation, omeprazole sulfoxidation, midazolam 1'-hydroxylation and midazolam 4-hydroxylation) of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. The enzyme also hydroxylates etoposide.
組織特異性	Expressed in prostate and liver. According to some authors, it is not expressed in brain (PubMed:19094056). According to others, weak levels of expression are measured in some brain locations (PubMed:19359404 and PubMed:18545703). Also expressed in epithelium of the small intestine and large intestine, bile duct, nasal mucosa, kidney, adrenal cortex, epithelium of the gastric mucosa with intestinal metaplasia, gallbladder, intercalated ducts of the pancreas, chief cells of the parathyroid and the corpus luteum of the ovary (at protein level).
配列類似性	Belongs to the cytochrome P450 family.
翻訳後修飾	Polyubiquitinated in the presence of AMFR and UBE2G1 and also STUB1/CHIP and UBE2D1 (in vitro).
細胞内局在	Endoplasmic reticulum membrane. Microsome membrane.

画像



All lanes : Anti-Cytochrome P450 3A4/CYP3A4 antibody (ab3572)
at 1/2000 dilution

Lane 1 : Mouse liver tissue extract
Lane 2 : Rat liver tissue extract
Lane 3 : Mouse stomach tissue extract
Lane 4 : Rat stomach tissue extract

Lysates/proteins at 30 µg per lane.

Secondary

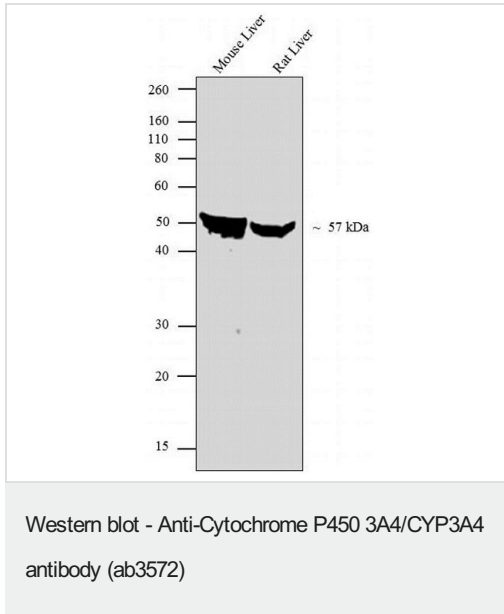
All lanes : Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant
Secondary Antibody, HRP at 1/4000 dilution

Developed using the ECL technique.

Predicted band size: 57 kDa

Additional bands at: 52 kDa. We are unsure as to the identity of these extra bands.

Electrophoresed on 4-12% BisTris gel transferred onto a nitrocellulose membrane



All lanes : Anti-Cytochrome P450 3A4/CYP3A4 antibody (ab3572) at 1/2000 dilution

Lane 1 : Mouse liver with Skimmed milk

Lane 2 : Rat liver with Skimmed milk

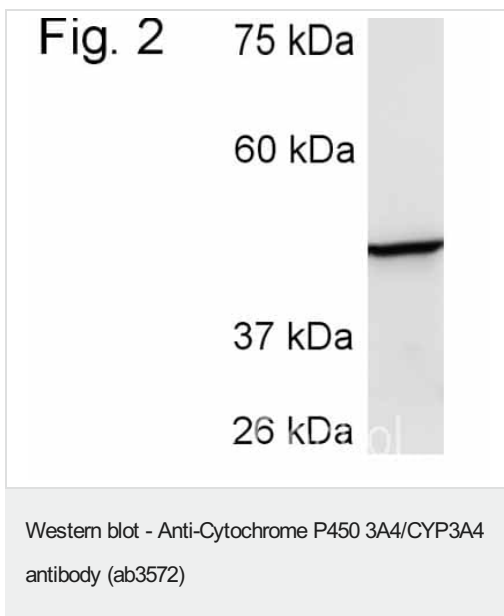
Lysates/proteins at 30 µg per lane.

Blocking peptides at 5 % per lane.

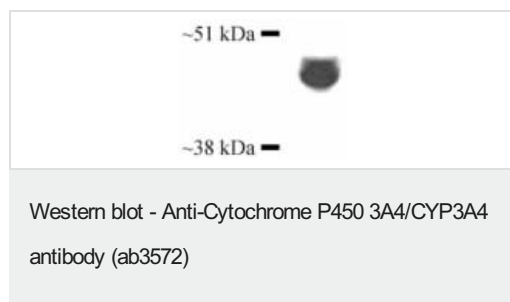
Secondary

All lanes : HRP conjugated Goat anti-Rabbit IgG (H+L) at 1/5000 dilution

Predicted band size: 57 kDa



Western blot of Cytochrome P450 3A4/CYP3A4 on rat liver extract using ab3572.



ab3572 at a dilution of 1/2000 staining Cytochrome P450 3A4/CYP3A4 in rat liver extract by Western blot.

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