abcam

Product datasheet

Anti-Cytochrome P450 2E1 antibody ab84598

3 References 画像数 3

製品の概要

製品名	Anti-Cytochrome P450 2E1 antibody
製品の詳細	Rabbit polyclonal to Cytochrome P450 2E1
由来種	Rabbit
アプリケーション	**適用あり:** IHC-P, ICC/IF, WB
種交差性	**交差種:** Rat, Human **交差が予測される動物種:** Cat, Macaque monkey, Orangutan
免疫原	Synthetic peptide conjugated to KLH derived from within residues 400 to the C-terminus of Human Cytochrome P450 2E1.Immunogen の所有権に関して(Peptide available as **ab94544**.)
ポジティブ・コントロール	This antibody gave a positive signal in the following tissue lysates: Human liver; Rat liver. IHC-P: Human liver FFPE tissue sections

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	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Note: Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
精製度	Immunogen affinity purified
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ab84598の使用に適用されます

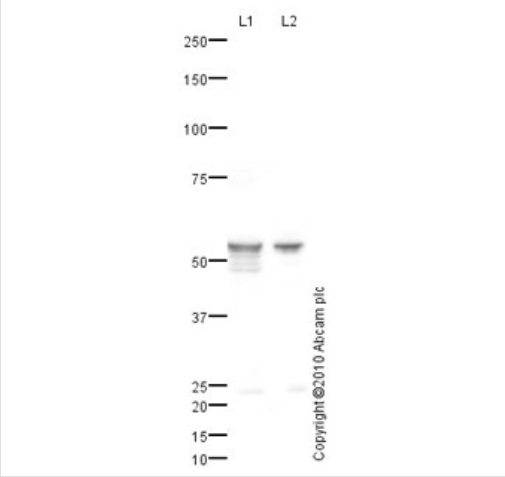
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 5 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 56 kDa (predicted molecular weight: 56 kDa).

ターゲット情報

機能	Metabolizes several precarcinogens, drugs, and solvents to reactive metabolites. Inactivates a number of drugs and xenobiotics and also bioactivates many xenobiotic substrates to their hepatotoxic or carcinogenic forms.
配列類似性	Belongs to the cytochrome P450 family.
細胞内局在	Endoplasmic reticulum membrane. Microsome membrane.

画像



Western blot - Anti-Cytochrome P450 2E1 antibody (ab84598)

All lanes : Anti-Cytochrome P450 2E1 antibody (ab84598) at 1 µg/ml

Lane 1 : Human liver tissue lysate - total protein (**ab29889**)
Lane 2 : Liver (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

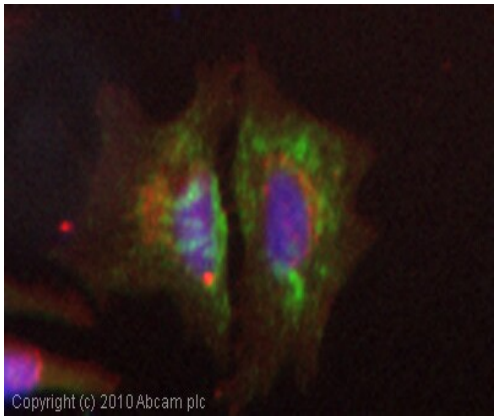
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 56 kDa
Observed band size: 56 kDa
Additional bands at: 24 kDa. We are unsure as to the identity of these extra bands.

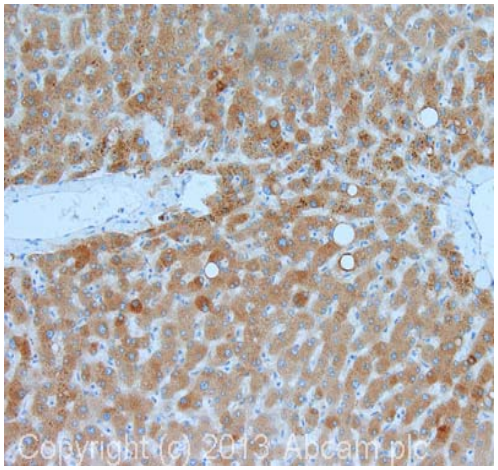
Exposure time: 1 minute

Human Cytochrome P450 2E1 contains a potential phosphorylation site (SwissProt) which may explain the migration pattern observed in human liver tissue lysate.



Immunocytochemistry/ Immunofluorescence - Anti-Cytochrome P450 2E1 antibody (ab84598)

ICC/IF image of ab84598 stained HeLa cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab84598, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. This antibody also gave a positive result in 4% PFA fixed (10 min) Hek293, HepG2 and MCF7 cells at 5µg/ml, and in 100% methanol fixed (5 min) HeLa cells at 5µg/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytochrome P450 2E1 antibody (ab84598)

IHC image of Cytochrome P450 2E1 staining in human liver formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab84598, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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