abcam

Product datasheet

Anti-CYP11A1 antibody ab75497

20 References 画像数 7

製品の概要

製品名	Anti-CYP11A1 antibody
製品の詳細	Rabbit polyclonal to CYP11A1
由来種	Rabbit
アプリケーション	**適用あり:** IHC-P, WB
種交差性	**交差種:** Human
免疫原	Synthetic peptide corresponding to Human CYP11A1 aa 288-337 (internal sequence). Sequence: LRQKGSVHHDYRGILYRLLGDSKMSFEDIKANVTEMLAGGVD TTSMTLQW Run BLAST with Run BLAST with
ポジティブ・コントロール	WB: Human lung and fetal liver lysate; HeLa whole cell lysate (**ab150035**). IHC-P: Human placenta tissue; Human kidney 2 cells.
特記事項	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. 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

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 long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
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ab75497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 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 60 kDa (predicted molecular weight: 60 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

ターゲット情報

機能 Catalyzes the side-chain cleavage reaction of cholesterol to pregnenolone.

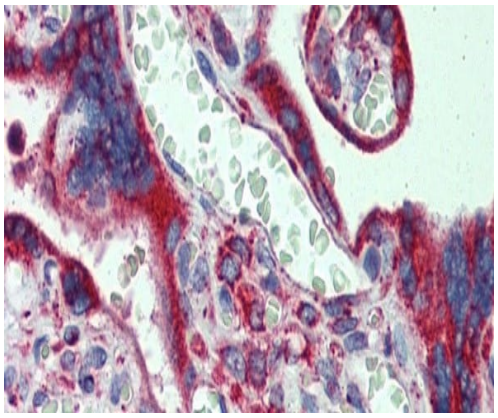
パスウェイ Lipid metabolism; C21-steroid hormone metabolism.

関連疾患 Defects in CYP11A1 are a cause of congenital adrenal insufficiency (CAI).
Defects in CYP11A1 are a cause of congenital lipoid adrenal hyperplasia (CLAH) [MIM:201710]; also known as lipoid CAH. CLAH is the most severe form of adrenal hyperplasia. This autosomal recessive and potentially lethal condition includes the onset of profound adrenocortical insufficiency shortly after birth, hyperpigmentation reflecting increased production of pro-opiomelanocortin, elevated plasma renin activity as a consequence of reduced aldosterone synthesis, and male pseudohermaphroditism resulting from deficient fetal testicular testosterone synthesis. CLAH is a rare disease, except in Japan and Korea where it accounts for a significant percentage of cases of congenital adrenal hyperplasia.

配列類似性 Belongs to the cytochrome P450 family.

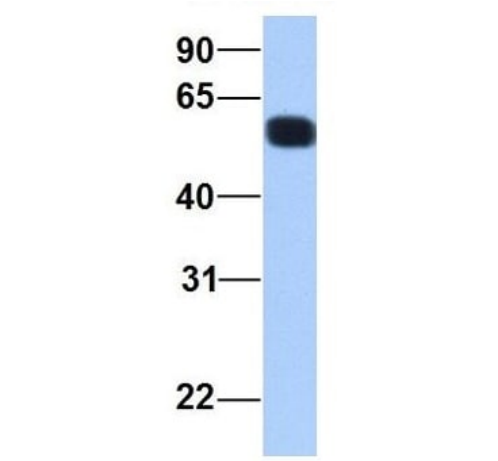
細胞内局在 Mitochondrion membrane.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP11A1 antibody (ab75497)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human placenta tissue labelling CYP11A1 with ab75497 at 5.0ug/ml.

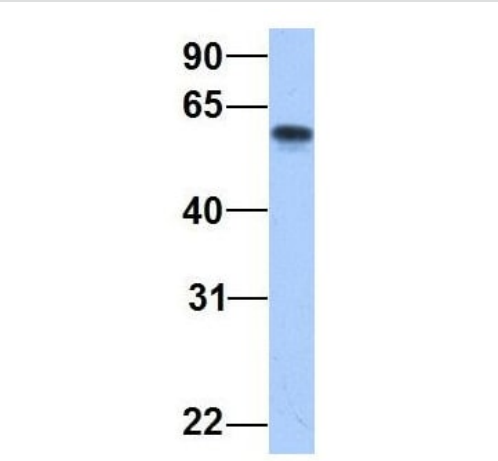


Western blot - Anti-CYP11A1 antibody (ab75497)

Anti-CYP11A1 antibody (ab75497) at 1 µg/ml + Human fetal liver lysate at 10 µg

Predicted band size: 60 kDa

Western blot analysis of human fetal liver lysate labeling CYP11A1 with ab75497.



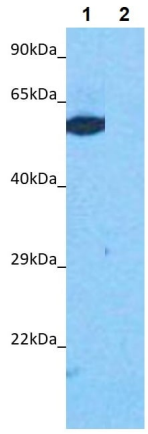
Western blot - Anti-CYP11A1 antibody (ab75497)

Anti-CYP11A1 antibody (ab75497) at 1 µg/ml + HeLa cell lysate at 10 µg

Secondary
HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size: 60 kDa
Observed band size: 60 kDa

Western blot analysis of HeLa cell lysate labeling CYP11A1 with **ab754497**.



Western blot - Anti-CYP11A1 antibody (ab75497)

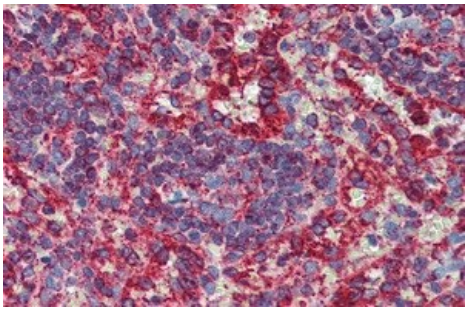
All lanes : Anti-CYP11A1 antibody (ab75497) at 1 µg/ml

Lane 1 : Human lung lysate
Lane 2 : 293T cell lysate

Lysates/proteins at 25 µg per lane.

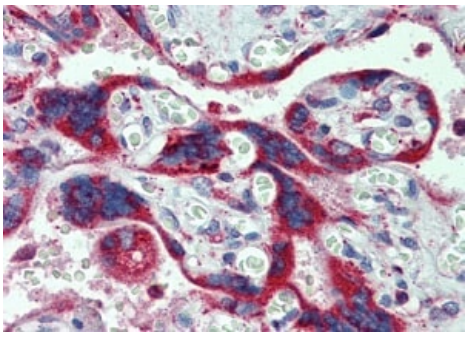
Predicted band size: 60 kDa

Western blot analysis labeling CYP11A1 with ab75497.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP11A1 antibody (ab75497)

Immunohistochemical analysis of human kidney 2 (HK2) cells labeling CYP11A1 with ab75497.



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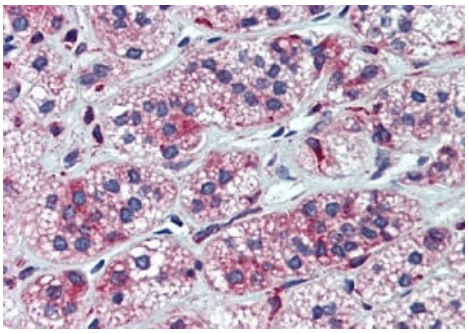

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP11A1 antibody (ab75497)

Immunohistochemical analysis of human kidney 2 (HK2) cells labeling CYP11A1 with ab75497.

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