abcam

Product datasheet

Anti-CYP21A2 antibody ab230327

4 图像

概述

产品名称	Anti-CYP21A2抗体
描述	兔多克隆抗体to CYP21A2
宿主	Rabbit
经测试应用	**适用于：** IHC-P, ICC/IF, WB, Flow Cyt (Intra)
种属反应性	**与反应：** Human
免疫原	Synthetic peptide within Human CYP21A2 aa 216-246 conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Database link: **P08686**
阳性对照	IHC-P: Human adrenal tissue. ICC/IF: HEK-293 cells. WB: MDA-MB435 cell lysate. Flow Cyt (Intra): MDA-MB231 cells.
常规说明	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

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.4 Preservative: 0.09% Sodium azide Constituent: PBS
纯度	Ammonium Sulphate Precipitation
克隆	多克隆
同种型	IgG

应用

"应用说明"部分 下显示的仅为**推荐的起始稀释度**;实际**最佳的稀释度/浓度应由使用者**检定。

应用	Ab评论	说明
IHC-P		1/50 - 1/100.
ICC/IF		1/10 - 1/50.
WB		1/1000. Predicted molecular weight: 56 kDa.
Flow Cyt (Intra)		1/10 - 1/50.

靶标

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功能	Specifically catalyzes the 21-hydroxylation of steroids. Required for the adrenal synthesis of mineralocorticoids and glucocorticoids.
疾病相关	Adrenal hyperplasia 3
序列相似性	Belongs to the cytochrome P450 family.
结构域	The leucine-rich hydrophobic amino acid N-terminal region probably helps to anchor the protein to the microsomal membrane.
细胞定位	Endoplasmic reticulum membrane. Microsome membrane.

图片

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP21A2 antibody (ab230327)
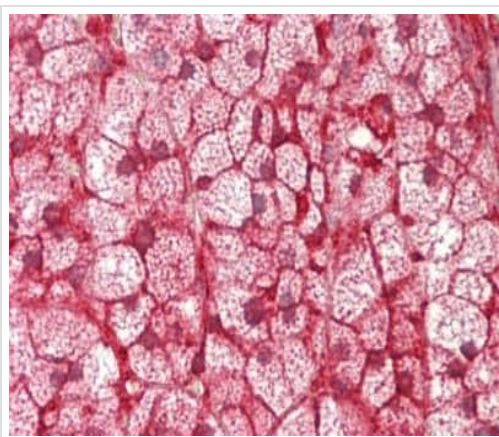
Formalin-fixed, paraffin-embedded human adrenal tissue stained for CYP21A2 using ab230327 at 1/50 dilution in imunohistochemical analysis.
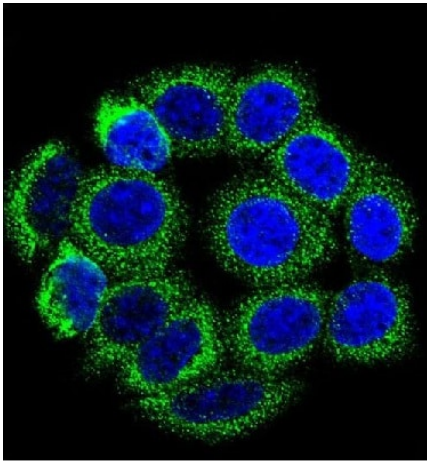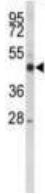
Immunocytochemistry/ Immunofluorescence - Anti-CYP21A2 antibody (ab230327)

HEK-293 (human epithelial cell line from embryonic kidney) cells stained for CYP21A2 using ab230327 at 1/10 dilution, followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green) in confocal immunofluorescence.
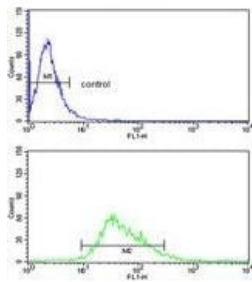
Nucelar counterstain: DAPI (blue).

Western blot - Anti-CYP21A2 antibody (ab230327)

Anti-CYP21A2 antibody (ab230327) at 1/1000 dilution + MDA-MB-435S (Human ductal carcinoma cell line) cell lysate at 35 µg

Predicted band size: 56 kDa

Flow Cytometry (Intracellular) - Anti-CYP21A2 antibody (ab230327)

Intracellular flow cytometric analysis of MDA-MB231 (human breast adenocarcinoma cell line) cells labeling CYP21A2 with ab230327 at 1/10 dilution (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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