

Product datasheet

Anti-Cytochrome P450 17A1 antibody ab125876

1 图像

概述

产品名称	Anti-Cytochrome P450 17A1抗体
描述	兔多克隆抗体to Cytochrome P450 17A1
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Human 预测可用于: Monkey 
免疫原	Recombinant fragment, corresponding to amino acids 13 - 326 of Human Cytochrome P450 17A1 (P05093).
阳性对照	MCF-7 cell lysate

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 0.75% Glycine, 1.21% Tris, 20% Glycerol
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab125876** in the following tested applications.

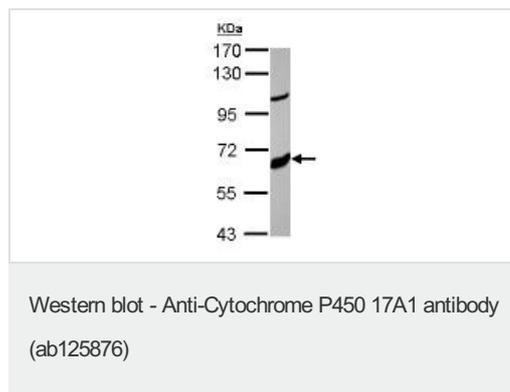
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		1/5000 - 1/20000. Predicted molecular weight: 57 kDa.

靶标

功能	Conversion of pregnenolone and progesterone to their 17-alpha-hydroxylated products and subsequently to dehydroepiandrosterone (DHEA) and androstenedione. Catalyzes both the 17-alpha-hydroxylation and the 17,20-lyase reaction. Involved in sexual development during fetal life and at puberty.
通路	Lipid metabolism; steroid biosynthesis.
疾病相关	Defects in CYP17A1 are the cause of adrenal hyperplasia type 5 (AH5) [MIM:202110]. AH5 is a form of congenital adrenal hyperplasia, a common recessive disease due to defective synthesis of cortisol. Congenital adrenal hyperplasia is characterized by androgen excess leading to ambiguous genitalia in affected females, rapid somatic growth during childhood in both sexes with premature closure of the epiphyses and short adult stature. Four clinical types: "salt wasting" (SW, the most severe type), "simple virilizing" (SV, less severely affected patients), with normal aldosterone biosynthesis, "non-classic form" or late onset (NC or LOAH), and "cryptic" (asymptomatic).
序列相似性	Belongs to the cytochrome P450 family.
翻译后修饰	Phosphorylation is necessary for 17,20-lyase, but not for 17-alpha-hydroxylase activity.
细胞定位	Membrane.

图片



Anti-Cytochrome P450 17A1 antibody (ab125876) at 1/10000 dilution + MCF-7 cell lysate at 30 μ g

Predicted band size: 57 kDa

7.5% SDS PAGE

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