

Anti-Cytochrome P450 17A1/CYP17A1 antibody [EPR6294(2)] ab134910

重组 RabMAb

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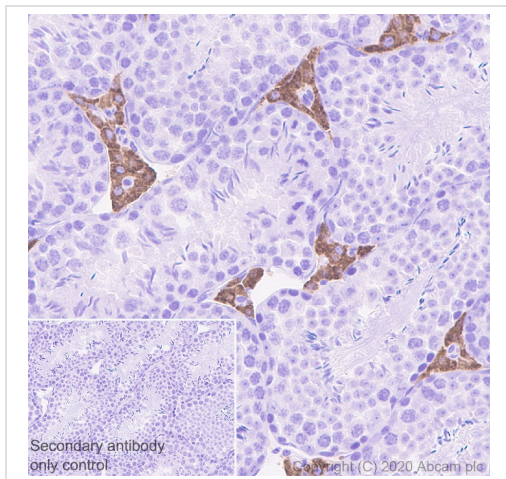
概述

产品名称	Anti-Cytochrome P450 17A1/CYP17A1抗体[EPR6294(2)]
描述	兔单克隆抗体[EPR6294(2)] to Cytochrome P450 17A1/CYP17A1
宿主	Rabbit
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human adrenal gland lysate, mouse and rat testis lysate. IHC-P: Human and mouse testis tissues.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR6294(2)

同种型	IgG	
应用		
The Abpromise guarantee Abpromise™ 承诺保证使用ab134910于以下的经测试应用		
“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
WB		1/10000 - 1/50000. Predicted molecular weight: 57 kDa.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
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.	

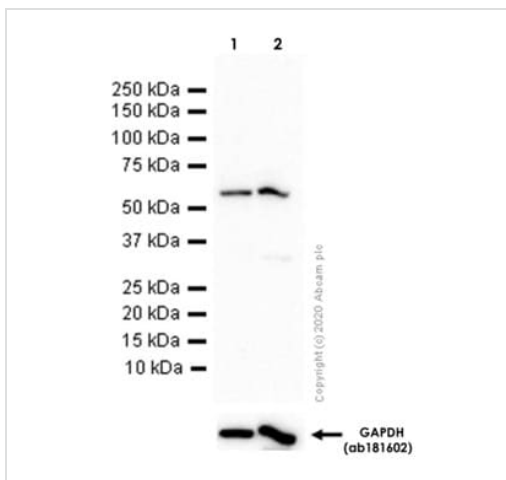


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytochrome P450 17A1/CYP17A1 antibody [EPR6294(2)] (ab134910)

Immunohistochemical analysis of paraffin-embedded Mouse testis tissue labeling Cytochrome P450 17A1/CYP17A1 with ab134910 at 1/250 followed by a Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) at Ready to use dilution. Cytoplasmic staining on mouse Leydig cells. The section was incubated with ab134910 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) at Ready to use dilution.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins



Western blot - Anti-Cytochrome P450 17A1/CYP17A1 antibody [EPR6294(2)] (ab134910)

All lanes : Anti-Cytochrome P450 17A1/CYP17A1 antibody [EPR6294(2)] (ab134910) at 1/1000 dilution

Lane 1 : Mouse testis lysate

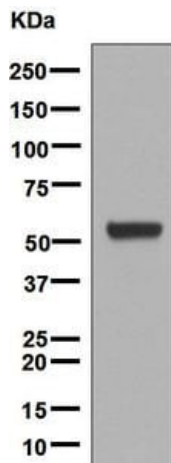
Lane 2 : Rat testis lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 57 kDa



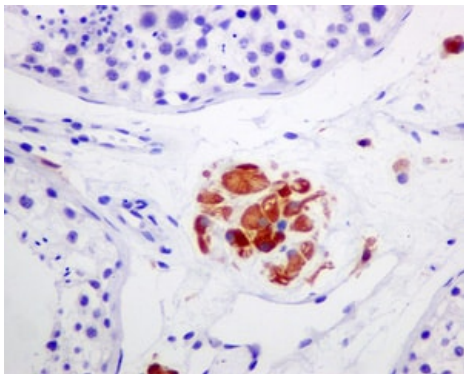
Western blot - Anti-Cytochrome P450
17A1/CYP17A1 antibody [EPR6294(2)] (ab134910)

Anti-Cytochrome P450 17A1/CYP17A1 antibody [EPR6294(2)]
(ab134910) at 1/10000 dilution + Human adrenal gland lysate at 10
µg

Secondary

HRP-conjugated goat anti-rabbit IgG polyclonal at 1/2000 dilution

Predicted band size: 57 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-Cytochrome P450
17A1/CYP17A1 antibody [EPR6294(2)] (ab134910)

Immunohistochemical analysis of paraffin-embedded Human testis
tissue labelling Cytochrome P450 17A1/CYP17A1 with ab134910
at 1/250 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6
before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Cytochrome P450 17A1/CYP17A1 antibody
[EPR6294(2)] (ab134910)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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