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Datasheet for ABIN652409

anti-CYP21A2 antibody (AA 216-246)

4 Images

1 Publication

Overview

Quantity:	400 µL
Target:	CYP21A2
Binding Specificity:	AA 216-246
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP21A2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This CYP21A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 216-246 amino acids from the Central region of human CYP21A2.
Clone:	RB16954
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	CYP21A2
Alternative Name:	CYP21A2 (CYP21A2 Products)

Target Details

Background:	CYP21A2 is a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and hydroxylates steroids at the 21 position. Its activity is required for the synthesis of steroid hormones including cortisol and aldosterone. Mutations in CYP21A2 gene cause congenital adrenal hyperplasia.
Molecular Weight:	55887
Gene ID:	1589
NCBI Accession:	NP_000491 , NP_001122062
UniProt:	P08686
Pathways:	Metabolism of Steroid Hormones and Vitamin D , Steroid Hormone Biosynthesis , C21-Steroid Hormone Metabolic Process

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

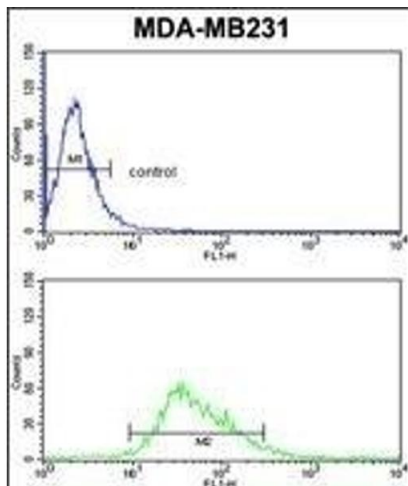
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Gehrke, Wörns, Huber, Hess, Straub, Hövelmeyer, Waisman, Kim, Schuppan, Galle, Schattenberg
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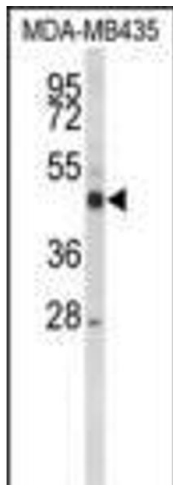
: "Hepatic B cell leukemia-3 promotes hepatic steatosis and inflammation through insulin-sensitive metabolic transcription factors." in: **Journal of hepatology**, Vol. 65, Issue 6, pp. 1188-1197, (2018) ([PubMed](#)).

Images



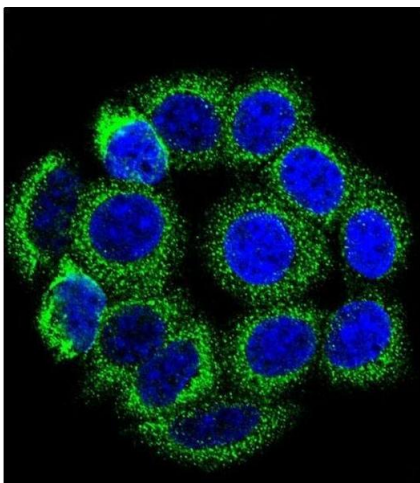
Flow Cytometry

Image 1. CYP21A2 Antibody (Center) (ABIN652409 and ABIN2842001) flow cytometric analysis of MDA-M cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of CYP21A2 Antibody (Center) (ABIN652409 and ABIN2842001) in MDA-M cell line lysates (35 µg/lane). CYP21A2 (arrow) was detected using the purified Pab.



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of CYP21A2 Antibody (Center) (ABIN652409 and ABIN2842001) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

Images

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN652409.