

Rabbit anti-Human CYP21A2 Polyclonal Antibody | anti-CYP21A2 antibody

Anti-CYP21A2 Antibody (aa224-253) IHC-plus

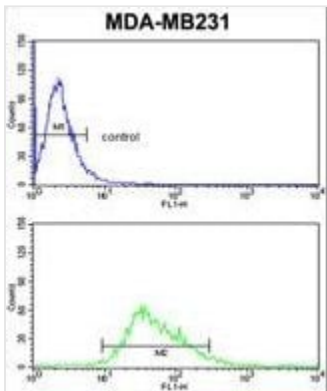
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52673	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

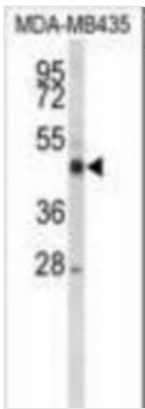
CYP21A2; Polyclonal Antibody; Anti-CYP21A2 Antibody (aa224-253) IHC-plus; Rabbit Polyclonal to Human CYP21A2; Human CYP21A2; 21-OHase; CAH1; CYP21B; Cytochrome P450-C21; Cytochrome P450 21; Cytochrome P450 XXI; p450c21B; CA21H; CYP21; Cytochrome P-450c21; Cytochrome P450-C21B; Steroid 21-hydroxylase; Steroid 21-monooxygenase; anti-CYP21A2 antibody

PRODUCT SPECIFICATIONS

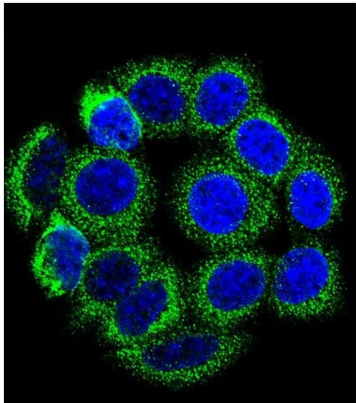
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human CYP21A2
Purity/Purification	Ammonium sulfate precipitation
Form/Format	PBS, 0.09% sodium azide
Sequence Length	495
Applicable Applications for anti-CYP21A2 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	CYP21A2 antibody was raised against KLH-conjugated synthetic peptide from internal region of human CYP21A2.
Immunogen Description	KLH-conjugated synthetic peptide from internal region of human CYP21A2.
Immunogen Type	Synthetic peptide
Antigen Modification	aa224-253
Target Species	Human
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.



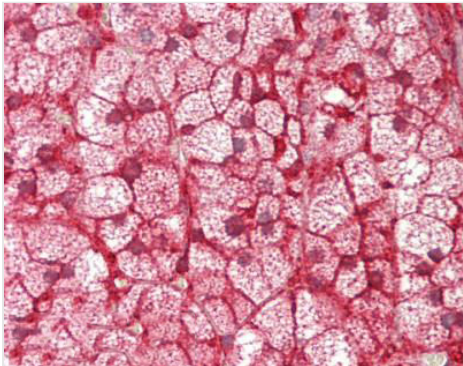
FCM/FACS (Flow Cytometry)
CYP21A2 Antibody flow cytometry of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot of CYP21A2 Antibody in MDA-MB435 cell line lysates (35 ug/lane). CYP21A2 (arrow) was detected using the purified antibody.



IF (Immunofluorescence)
Confocal immunofluorescence of CYP21A2 Antibody with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
Human Adrenal: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-CYP21A2 antibody	CYP21A2 Antibody, 21-OHase Antibody, CAH1 Antibody, CYP21B Antibody, Cytochrome P450-C21 Antibody, Cytochrome P450 21 Antibody, Cytochrome P450 XXI Antibody, p450c21B Antibody, CA21H Antibody, CYP21 Antibody, Cytochrome P-450c21 Antibody, Cytochrome P450-C21B Antibody, Steroid 21-hydroxylase Antibody, Steroid 21-monooxygenase Antibody Description: 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 this gene cause congenital adrenal hyperplasia.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	323510663
NCBI GeneID	1589
NCBI Accession #	NP_000491.4
NCBI GenBank Nucleotide #	NM_000500.7
UniProt Accession #	P08686; P04033; Q01204; Q08AG8; Q16749; Q16806; Q5ST44; Q96NU8; A2BHY6
Molecular Weight	52,597 Da
NCBI Official Full Name	steroid 21-hydroxylase isoform a

NCBI Official Synonym Full Names	cytochrome P450 family 21 subfamily A member 2
NCBI Official Symbol	CYP21A2
NCBI Official Synonym Symbols	CAH1; CPS1; CA21H; CYP21; CYP21B; P450c21B
NCBI Protein Information	steroid 21-hydroxylase
UniProt Protein Name	Steroid 21-hydroxylase
UniProt Gene Name	CYP21A2
UniProt Synonym Gene Names	CYP21; CYP21B
UniProt Entry Name	CP21A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cyp21a2-antibody-flow-cytometry-western-blot-immunofluorescence-immunohistochemistry-elisa/52673>