

Rabbit Cytochrome P450 19A1 Polyclonal Antibody | anti-CYP19A1 antibody

Cytochrome P450 19A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321891	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

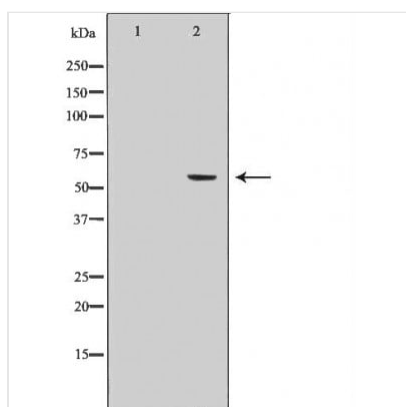
PRODUCT SYNONYMS

Cytochrome P450 19A1; Polyclonal Antibody; Cytochrome P450 19A1 Antibody; ARO; ARO1; Aromatase; CP19A_HUMAN; CPV1; CYAR; CYP19; Cyp19a1; CYPXIX; Cytochrome P-450AROM; Cytochrome P450; family 19; subfamily A; polypeptide 1; subfamily XIX (aromatization of androgens); Estrogen synthase; Estrogen synthetase; Flavoprotein linked monooxygenase; MGC104309; Microsomal monooxygenase; OTTHUMP00000162543; OTTHUMP00000198350; P 450AROM; anti-CYP19A1 antibody

PRODUCT SPECIFICATIONS

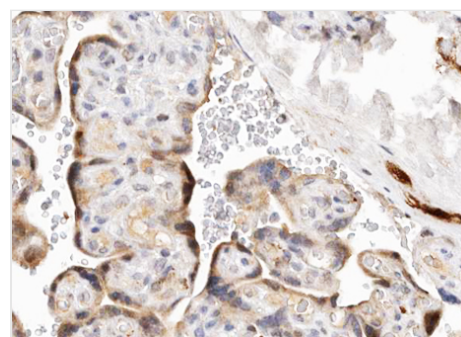
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Peptide affinity chromatography using SulfoLink™ Couling Resin
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	503
Applicable Applications for anti-CYP19A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cytochrome P450 19A1, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



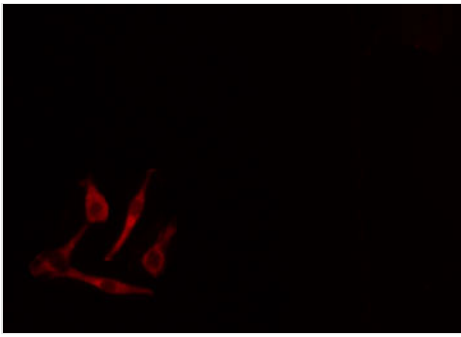
WB (Western Blot)

Western blot analysis of Cytochrome P450 19A1 Antibody expression in Human placenta tissue lysates. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA321891 at 1/100 staining human Placenta tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA321891 staining Hep G2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP19A1 antibody	Description: Defects in CYP19A1 are a cause of aromatase excess syndrome (AEXS) [MIM:139300]; also known as familial gynecomastia. AEXS is characterized by an estrogen excess due to an increased aromatase activity. Defects in CYP19A1 are the cause of aromatase deficiency (AROD) [MIM:107910]. AROD is a rare disease in which fetal androgens are not converted into estrogens due to placental aromatase deficiency.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13904858
NCBI GeneID	1588
NCBI Accession #	NP_000094.2
NCBI GenBank Nucleotide #	NM_000103.3
UniProt Accession #	P11511; Q16731; Q3B764; Q58FA0; Q8IYJ7
Molecular Weight	55 kDa
NCBI Official Full Name	aromatase
NCBI Official Synonym Full Names	cytochrome P450 family 19 subfamily A member 1
NCBI Official Symbol	CYP19A1
NCBI Official Synonym Symbols	ARO; ARO1; CPV1; CYAR; CYP19; CYPXIX; P-450AROM
NCBI Protein Information	aromatase
UniProt Protein Name	Aromatase
UniProt Gene Name	CYP19A1
UniProt Synonym Gene Names	ARO1; CYAR; CYP19

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/cytochrome-p450-19a1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321891>