

Rabbit CYP17A1 Polyclonal Antibody | anti-CYP17A1 antibody

CYP17A1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289309	Rabbit	Human (Predicted Reactivity: Monkey)	Western Blot, ELISA, Immunofluorescence

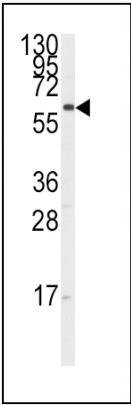
PRODUCT SYNONYMS

CYP17A1; Polyclonal Antibody; CYP17A1 Antibody (Center); Steroid 17-alpha-hydroxylase/17; 20 lyase; 17-alpha-hydroxyprogesterone aldolase; CYPXVII; Cytochrome P450 17A1; Cytochrome P450-C17; Cytochrome P450c17; Steroid 17-alpha-monooxygenase; CYP17; S17AH; anti-CYP17A1 antibody

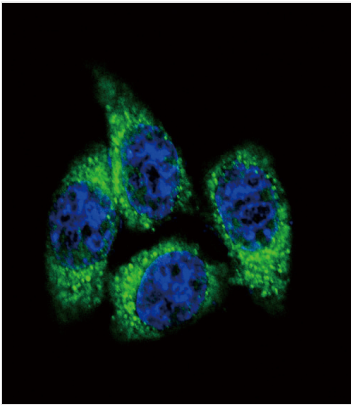
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CYP17A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 358-388 amino acids from the Central region of human CYP17A1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	358-388
Sequence Length	508
Applicable Applications for anti-CYP17A1 antibody	WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	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 in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of anti-CYP17A1 Antibody (Center) in K562 cell line lysates (35ug/lane). CYP17A1 (arrow) was detected using the purified Pab.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of CYP17A1 Antibody (Center) with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclei (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-CYP17A1 antibody	CYP17A1 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. It has both 17 α -hydroxylase and 17,20-lyase activities and is a key enzyme in the steroidogenic pathway that produces progestins, mineralocorticoids, glucocorticoids, androgens, and estrogens. Mutations in CYP17A1 gene are associated with isolated steroid-17 α -hydroxylase deficiency, 17- α -hydroxylase/17,20-lyase deficiency, pseudohermaphroditism, and adrenal hyperplasia.
Product Categories/Family for anti-CYP17A1 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Yuan,X., Cancer Epidemiol. Biomarkers Prev. 17 (12), 3621-3627 (2008) Nelson,D.R., Pharmacogenetics 14 (1), 1-18 (2004) Imai,T., Hum. Genet. 89 (1), 95-96 (1992)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503195
NCBI GeneID	1586
NCBI Accession #	NP_000093.1
NCBI GenBank Nucleotide #	NM_000102.3
UniProt Accession #	P05093; Q5TZV7
Molecular Weight	57371
NCBI Official Full Name	steroid 17- α -hydroxylase/17,20 lyase
NCBI Official Synonym Full Names	cytochrome P450, family 17, subfamily A, polypeptide 1
NCBI Official Symbol	CYP17A1
NCBI Official Synonym Symbols	CPT7; CYP17; S17AH; P450C17
NCBI Protein Information	steroid 17- α -hydroxylase/17,20 lyase
UniProt Protein Name	Steroid 17- α -hydroxylase/17,20 lyase
UniProt Gene Name	CYP17A1

UniProt Synonym Gene Names	CYP17; S17AH; Cytochrome P450c17
UniProt Entry Name	CP17A_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://www.aaabiotech.com/polyclonal/cyp17a1-antibody-western-blot-immunofluorescence-elisa/289309>