

Rabbit anti-Human, Mouse Cytochrome P450 17A1 Polyclonal Antibody | anti-CYP17A1 antibody

Cytochrome P450 17A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321877	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Cytochrome P450 17A1; Polyclonal Antibody; Cytochrome P450 17A1 Antibody; 20 lyase; CP17A_HUMAN; CPT7; CYP17; CYP17A1; CYPXVII; Cytochrome P450 family 17; Cytochrome P450 family 17 subfamily A polypeptide 1; Cytochrome p450 subfamily XVII (steroid 17 alpha hydroxylase) adrenal hyperplasia; Cytochrome p450 XVIIA1; Cytochrome P450-C17; Cytochrome P450c17; OTTHUMP00000020382; P450 C17; P450c17; S17AH; Steroid 17 alpha hydroxylase/17; Steroid 17 alpha monooxygenase; Steroid 17-alpha-hydroxylase/17; Steroid 17-alpha-monooxygenase; anti-CYP17A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Cytochrome P450 17A1 antibody detects endogenous levels of total Cytochrome P450 17A1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	508
Applicable Applications for anti-CYP17A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cytochrome P450 17A1
Subcellular Location	Membrane.
Predicted Cross Reactivity	Rabbit, Dog
Similarity	Rabbit (80%), Dog (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA321877 at 1/50 staining human colon cancer 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.



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IF (Immunofluorescence)
AAA321877 staining LOVO cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37 degree C. The primary antibody was diluted 1/400 and incubated with the sample for 1 hour at 37 degree C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.



WB (Western Blot)
Western blot analysis of Cytochrome P450 17A1 expression in mouse tissue.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP17A1 antibody	Description: 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. Post-translational Modifications: Phosphorylation is necessary for 17, 20-lyase, but not for 17-alpha-hydroxylase activity. Similarity: Belongs to the cytochrome P450 family.
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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	Observed: 57 kDa Predicted: 58 kDa
NCBI Official Full Name	steroid 17-alpha-hydroxylase/17,20 lyase
NCBI Official Synonym Full Names	cytochrome P450 family 17 subfamily A member 1
NCBI Official Symbol	CYP17A1
NCBI Official Synonym Symbols	CPT7; CYP17; S17AH; P450C17
NCBI Protein Information	steroid 17-alpha-hydroxylase/17,20 lyase
UniProt Protein Name	Steroid 17-alpha-hydroxylase/17,20 lyase

UniProt Gene Name	CYP17A1
UniProt Synonym Gene Names	CYP17; S17AH; Cytochrome P450c17

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-p450-17a1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321877>