

Rabbit CYP51A1 Polyclonal Antibody | anti-CYP51A1 antibody

CYP51A1 Antibody (Center)

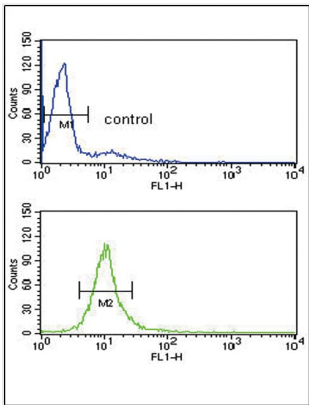
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288953	Rabbit	Human (Predicted Reactivity: Monkey)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

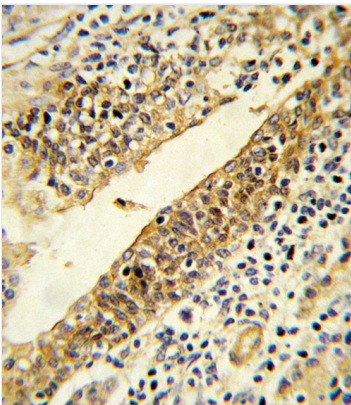
CYP51A1; Polyclonal Antibody; CYP51A1 Antibody (Center); Lanosterol 14-alpha demethylase; LDM; CYPLI; Cytochrome P450 51A1; Cytochrome P450-14DM; Cytochrome P45014DM; Cytochrome P450LI; Sterol 14-alpha demethylase; CYP51; anti-CYP51A1 antibody

PRODUCT SPECIFICATIONS

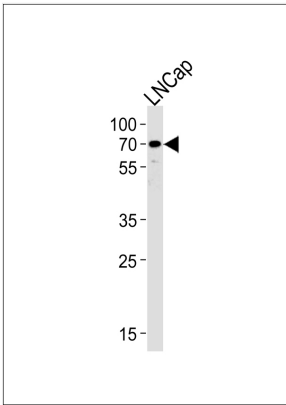
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CYP51A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 250-279 amino acids from the Central region of human CYP51A1.
Purity/Purification	Purified 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	250-279
Sequence Length	404
Applicable Applications for anti-CYP51A1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
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.



FCM/FACS (Flow Cytometry)
CYP51A1 Antibody (Center) flow cytometry analysis of HL-60 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human prostate carcinoma reacted with CYP51A1 Antibody (Center) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of lysate from LNCap cell line, using CYP51A1 Antibody (Center). AAA288953 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP51A1 antibody	CYP51A1 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 endoplasmic reticulum protein participates in the synthesis of cholesterol by catalyzing the removal of the 14alpha-methyl group from lanosterol.
Product Categories/Family for anti-CYP51A1 antibody	Crown Antibodies; Cardiovascular; Metabolism; Signal Transduction
References	Matsuura,K., et.al., J. Biol. Chem. 280 (10), 9088-9096 (2005) Wang,Y.,et.al., J. Biol. Chem. 283 (39), 26332-26339 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503243
NCBI GeneID	1595
NCBI Accession #	NP_000777.1; NP_001139624.1
NCBI GenBank Nucleotide #	NM_000786.3
UniProt Accession #	Q16850; O00770; O00772; Q16784; Q8N1A8; Q99868; A4D1F8; B2RAI4; B4DJ55

Molecular Weight	56806
NCBI Official Full Name	lanosterol 14-alpha demethylase isoform 1
NCBI Official Synonym Full Names	cytochrome P450, family 51, subfamily A, polypeptide 1
NCBI Official Symbol	CYP51A1
NCBI Official Synonym Symbols	LDM; CP51; CYP51; CYPL1; P450L1; P450-14DM
NCBI Protein Information	lanosterol 14-alpha demethylase
UniProt Protein Name	Lanosterol 14-alpha demethylase
UniProt Gene Name	CYP51A1
UniProt Synonym Gene Names	CYP51; LDM; Cytochrome P45014DM
UniProt Entry Name	CP51A_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/cyp51a1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/288953>