

Rabbit anti-Human Cytochrome P450 27A1 Polyclonal Antibody | anti-CYP27A1 antibody

Cytochrome P450 27A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324257	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

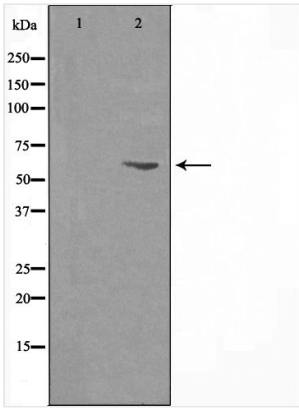
PRODUCT SYNONYMS

Cytochrome P450 27A1; Polyclonal Antibody; Cytochrome P450 27A1 Antibody; 12-alpha-triol 27-hydroxylase; 5-beta-cholestane-3-alpha; 7-alpha; 12-alpha-triol 26-hydroxylase; Cholestanetriol 26 monooxygenase; CP27; CP27A_HUMAN; CTX; CYP; CYP27; CYP27A1; Cytochrome P 450C27/25; Cytochrome P-450C27/25; Cytochrome P450 27; Cytochrome P450 27 mitochondrial; Cytochrome P450 family 27 subfamily A polypeptide 1; Cytochrome P450 subfamily XXVIIA (steroid 27-hydroxylase cerebrotendinous xanthomatosis) polypeptide 1; mitochondrial; Sterol 26 hydroxylase; Sterol 26 hydroxylase mitochondrial; Sterol 26-hydroxylase; Sterol 27 hydroxylase; Sterol 27-hydroxylase; Vitamin D(3) 25 hydroxylase; Vitamin D(3) 25-hydroxylase; anti-CYP27A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Cytochrome P450 27A1 antibody detects endogenous levels of total Cytochrome P450 27A1
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	531
Applicable Applications for anti-CYP27A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Membrane.
Predicted Cross Reactivity	Dog
Similarity	Dog (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using Cytochrome P450 27A1 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324257 staining HeLa 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) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP27A1 antibody	Function: Catalyzes the first step in the oxidation of the side chain of sterol intermediates; the 27-hydroxylation of 5-beta-cholestane-3-alpha, 7-alpha, 12-alpha-triol. Has also a vitamin D3-25-hydroxylase activity. Similarity: Belongs to the cytochrome P450 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503211
NCBI GeneID	1593
NCBI Accession #	NP_000775.1
NCBI GenBank Nucleotide #	NM_000784.3
UniProt Accession #	Q02318; Q6LDB4; Q86YQ6; A8K303
Molecular Weight	Observed: 60 kD Predicted: 61 kDa
NCBI Official Full Name	sterol 26-hydroxylase, mitochondrial
NCBI Official Synonym Full Names	cytochrome P450 family 27 subfamily A member 1
NCBI Official Symbol	CYP27A1
NCBI Official Synonym Symbols	CTX; CP27; CYP27
NCBI Protein Information	sterol 26-hydroxylase, mitochondrial
UniProt Protein Name	Sterol 26-hydroxylase, mitochondrial
UniProt Gene Name	CYP27A1
UniProt Synonym Gene Names	CYP27

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.