

DNAxPAb

Hard-to-Find
Antibody

CYP51A1 DNAxPAb

Catalog # H00001595-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CYP51A1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAAAAGMLLLGLLQAGGSVLGQAMEKVTGGNLLSMLLIACAFTLSLVYLIRLAAGHLVQLPAGVKS PPYIFSPIPFLGHAIAFGKSPIEFLENAYEKYGPVFSFTMVGKTF TYLLGSDAAALLFNSKNEDLNAE DVYSRLTTPVFGKGVAYDVPNPVFLEQKKMLKSGLNIAHFQKHVSIIKETKEYFESWGESGEKN VFEALSELIL TASHCLHGKEIRSQLNEKVAQLYADLDGGFSHAAWLLPGWLPLPSFRRRDRAHRE IKDIFYKAIQRRQSQEKIDDILQTL LDATYKDGRPLTDDEVAGMLIGLLLAGQHTSSTTSAWMGFFL ARDKTLQKKCYLEQKTVCGENLPPLTYDQLKDLNLLDRCIKETLRLRPPVMIMMRMARTPQTVAG YTIPPGHQVCVSPTVNQRLKDSWVERLDFNPDRYLQDNPASGEKFAYVPFGAGRHRRCIGENFAY VQIKTWSTMLRLYEFDLIDGYFPTVNYTTMIHTPENPVIRYKRRSK
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — CYP51A1

Entrez GeneID [1595](#)

GeneBank Accession# [DQ894495.2](#)

Protein Accession# [ABM85421.1](#)

Gene Name CYP51A1

Gene Alias CP51, CYP51, CYPL1, LDM, P450-14DM, P450L1

Gene Description cytochrome P450, family 51, subfamily A, polypeptide 1

Omim ID [601637](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes 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. Homologous genes are found in all three eukaryotic phyla, fungi, plants, and animals, suggesting that this is one of the oldest cytochrome P450 genes. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations cytochrome P450, 51 (lanosterol 14-alpha-demethylase)|cytochrome P450, family 51|lanosterol 14-alpha-demethylase|sterol 14-alpha demethylase

Pathway

- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Metabolic pathways](#)
- [Steroid biosynthesis](#)

Disease

- [Kidney Failure](#)