Leader in Biomolecular Solutions for Life Science

www.abclonal.com

CYP51A1 Rabbit mAb

Catalog No.: A23370 Recombinant 1 Publications

Basic Information

Observed MW
55kDa

Calculated MW
57kDa

Category
Primary antibody

Applications
ELISA,WB,IHC-P

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC59516

Background

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.

Recommended Dilutions

WB	1:1000 - 1:5000
IHC-P	1:50 - 1:200

Immunogen Information

Gene ID
1595

Swiss Prot
Q16850

Immunogen
Recombinant protein of human CYP51A1

Synonyms
LDM; CP51; CYP51; CYPL1; P450L1; P450-14DM; CYP51A1

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

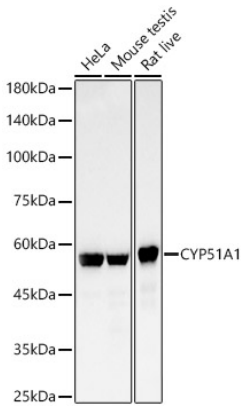
Source
Rabbit

Isotype
IgG

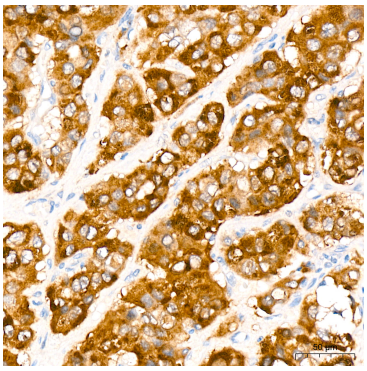
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

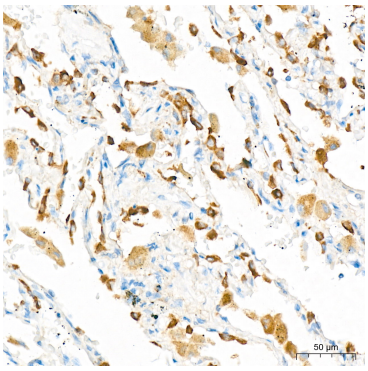
Validation Data



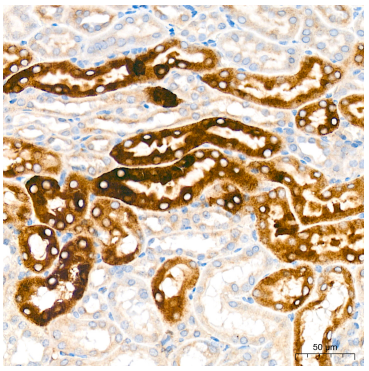
Western blot analysis of various lysates, using CYP51A1 Rabbit mAb (A23370) at 1:2000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



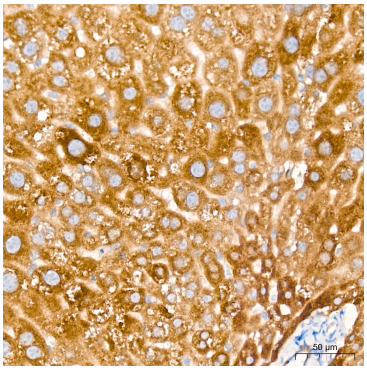
Immunohistochemistry analysis of CYP51A1 in paraffin-embedded human liver cancer tissue using CYP51A1 Rabbit mAb (A23370) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



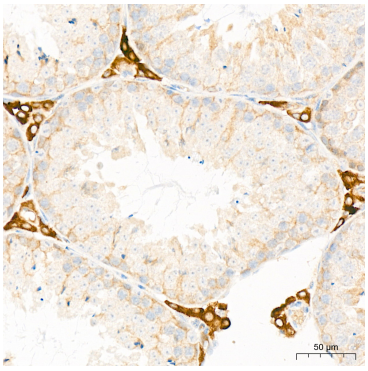
Immunohistochemistry analysis of CYP51A1 in paraffin-embedded human lung tissue using CYP51A1 Rabbit mAb (A23370) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



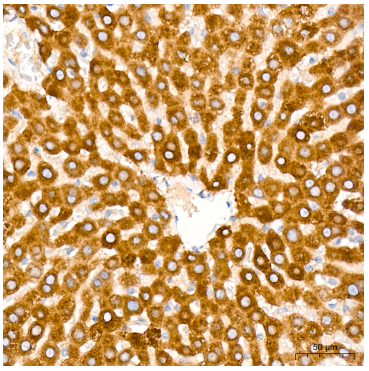
Immunohistochemistry analysis of CYP51A1 in paraffin-embedded mouse kidney tissue using CYP51A1 Rabbit mAb (A23370) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of CYP51A1 in paraffin-embedded mouse liver tissue using CYP51A1 Rabbit mAb (A23370) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

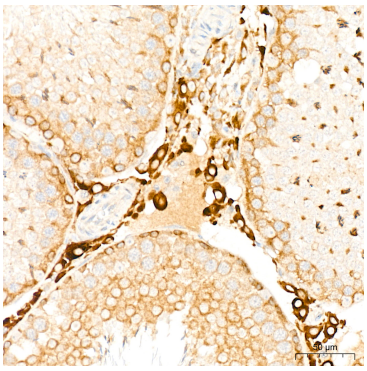


Immunohistochemistry analysis of CYP51A1 in paraffin-embedded mouse testis tissue using CYP51A1 Rabbit mAb (A23370) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of CYP51A1 in paraffin-embedded rat liver tissue using CYP51A1 Rabbit mAb (A23370) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of CYP51A1 in paraffin-embedded rat testis tissue using CYP51A1 Rabbit mAb (A23370) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.