

## CYP51A1

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:100

**Calculated MW:**56kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human CYP51A1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

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

**Catalog #:**A6252

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1595

**Isotype:**IgG

**Swiss Prot:**Q16850

**Purity:**Affinity purification

For research use only.

**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.

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