

Product datasheet for **TA342862**

CYP51A1 Rabbit Polyclonal Antibody

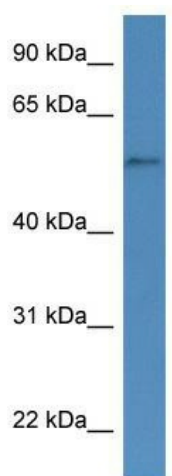
Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CYP51A1 antibody: synthetic peptide directed towards the N terminal of human CYP51A1. Synthetic peptide located within the following region: TYLLGSDAAALLFNSKNEDLNAEDVYSRLTTPVFGKGVAYDVPNPVFLEQ
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	57 kDa
Gene Name:	cytochrome P450 family 51 subfamily A member 1
Database Link:	NP_000777 Entrez Gene 1595 Human Q16850
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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Synonyms:	CP51; CYP51; CYPL1; LDM; P450-14DM; P450L1
Note:	Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Guinea pig: 100%; Mouse: 93%; Bovine: 93%; Rabbit: 93%; Zebrafish: 93%
Protein Families:	Druggable Genome, P450, Transmembrane
Protein Pathways:	Metabolic pathways, Steroid biosynthesis

Product images:

WB Suggested Anti-CYP51A1 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1:312500; Positive
Control: Hela cell lysate