



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## CYP51A1 polyclonal antibody (A01)

Catalog # : H00001595-A01

規格 : [ 50 uL ]

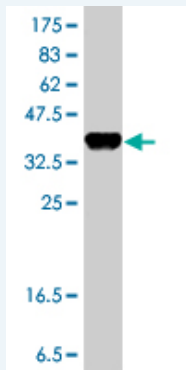
List All

### Specification

<b>Product Description:</b>	Mouse polyclonal antibody raised against a partial recombinant CYP51A1.
<b>Immunogen:</b>	CYP51A1 (NP_000777, 410 a.a. ~ 509 a.a) partial recombinant protein with GST tag.
<b>Sequence:</b>	SPTVNQRLKDSWVERLDFNPDRYLQDNPASGEKFAYVPFGAGRHCIG ENFAYVQIKTIWSTMLRLYEFDLIDGYFPTVNYTTMIHTPENPVIRYKRRSK
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human

**Quality Control** Antibody Reactive Against Recombinant Protein.

**Testing:**



Western Blot detection against Immunogen (37.11 kDa) .

**Storage Buffer:** 50 % glycerol

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Publication Reference

- [Amyloid precursor protein  \$\alpha\$ - and  \$\beta\$ -cleaved ectodomains exert opposing control of cholesterol homeostasis via SREBP2.](#)  
Wang W, Mutka AL, Zmrzljak UP, Rozman D, Tanila H, Gylling H, Remes AM, Huttunen HJ, Ikonen EFASEB J. 2013 Nov 18.
- [Variation of cholesterol contents in porcine cumulus-oocyte complexes is a key factor in regulation of fertilizing capacity.](#)  
Watanabe H, Hirai S, Tatenno H, Fukui Y. Theriogenology. 2012 Dec 26. pii: S0093-691X(12)00632-2. doi: 10.1016/j.theriogenology.2012.11.024.

### Applications

**Western Blot (Recombinant protein)**

[Protocol Download](#)

## ELISA

### Gene Information

Entrez GeneID: [1595](#)

GeneBank Accession#: [NM\\_000786](#)

Protein Accession#: [NP\\_000777](#)

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

### Gene Pathway

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

### Related Disease

[Kidney Failure, Chronic](#)