

**Product Name: CYP27A1 Rabbit Monoclonal Antibody****Catalog #: AMRe03973**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,FC
<b>Reactivity</b>	Human, Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% protective protein.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,FC 1:50-1:100
<b>Molecular Weight</b>	Calculated MW:60 kDa;Observed MW: 53kDa

**Antigen Information**

<b>Gene Name</b>	CYP27A1 CYP27A1; CYP27; Sterol 26-hydroxylase; mitochondrial; 5-beta-cholestane-3-alpha; 7-alpha;
<b>Alternative Names</b>	12-alpha-triol 27-hydroxylase; Cytochrome P-450C27/25; Cytochrome P450 27; Sterol 27-hydroxylase; Vitamin D(3) 25-hydroxylase
<b>Gene ID</b>	1593
<b>SwissProt ID</b>	Q02318
<b>Immunogen</b>	A synthetic peptide of human CYP27A1

**Background**

Catalyzes the first step in the oxidation of the side chain of sterol intermediates; the 27-hydroxylation of 5-beta-cholestane-3-alpha,7-alpha,12-alpha-triol. Has also a vitamin D3-25-hydroxylase activity.

## Research Area

Cardiovascular

## Image Data

Western blot analysis of CYP27A1 in mouse liver lysates using CYP27A1 antibody.

