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# Datasheet for ABIN6258060 anti-CYP27A1 antibody (C-Term)

2 Images



#### Overview

Quantity:	100 µL
Target:	CYP27A1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP27A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

# Product Details

Immunogen:	A synthesized peptide derived from human Cytochrome P450 27A1, corresponding to a region within C-terminal amino acids.
lsotype:	lgG
Specificity:	Cytochrome P450 27A1 Antibody detects endogenous levels of total Cytochrome P450 27A1.
Predicted Reactivity:	Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).

## Target Details

Target:

#### CYP27A1

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## Target Details

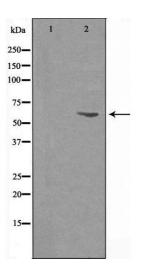
Alternative Name:	CYP27A1 (CYP27A1 Products)
Background:	Description: Catalyzes the first step in the oxidation of the side chain of sterol intermediates, the 27-hydroxylation of 5-beta-cholestane-3-alpha,7-alpha,12-alpha-triol. Has also a vitamin D3- 25-hydroxylase activity. Gene: CYP27A1
Molecular Weight:	60 kDa
Gene ID:	1593
UniProt:	Q02318

# Application Details

Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

# Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



#### Western Blotting

**Image 1.** Western blot analysis of extracts from HeLa cells, using Cytochrome P450 27A1 antibody. The lane on the left is treated with the antigen-specific peptide.



#### Immunofluorescence (fixed cells)

**Image 2.** ABIN6274642 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

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