Datasheet for ABIN6261194

anti-CYP27C1 antibody

3 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	CYP27C1
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP27C1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human Cytochrome P450 27C1
Isotype:	IgG
Specificity:	Cytochrome P450 27C1 Antibody detects endogenous levels of total Cytochrome P450 27C1
Cross-Reactivity:	Human, Rat (Rattus)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	CYP27C1
Alternative Name:	Cytochrome P450 27C1 (CYP27C1 Products)
Background:	Description: Catalyzes the conversion of all-trans retinol (also called vitamin A1, the precursor

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Target Details

	of 11-cis retinal) to 3,4-didehydroretinol (also called vitamin A2, the precursor of 11-cis 3,4-didehydroretinal). Also acts on all-trans retinal and all-trans retinoic acid. Gene: CYP27C1
Molecular Weight:	43 kDa
Gene ID:	339761
UniProt:	Q4G0S4

Application Details

Application Notes:	WB 1:1000-3000 IHC 1:200
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

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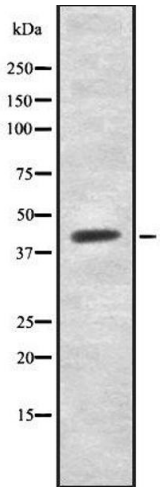
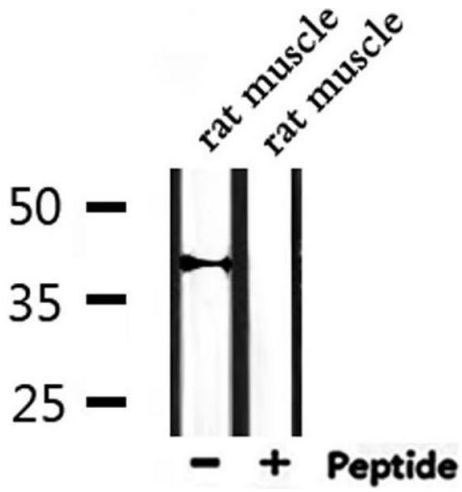


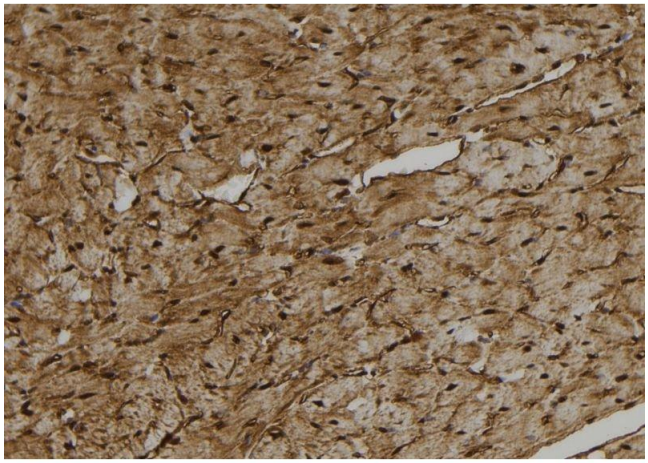
Western Blotting

Image 1. Western blot analysis of Cytochrome P450 27C1 using COLO205 whole cell lysates



Western Blotting

Image 2. Western blot analysis of extracts from rat muscle, using Cytochrome P450 27C1 Antibody.



Immunohistochemistry

Image 3. ABIN6278836 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22¡ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary

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