

Anti-Cytochrome P450 27C1 Antibody
Catalog # AP53809**Specification**

Anti-Cytochrome P450 27C1 Antibody - Product Information

Application	WB
Primary Accession	Q4G0S4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60920

Anti-Cytochrome P450 27C1 Antibody - Additional Information**Gene ID** 339761**Other Names**

Cytochrome P450 27C1

Target/Specificity

Recognizes endogenous levels of Cytochrome P450 27C1 protein.

Dilution

WB~~1/500 - 1/1000

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-Cytochrome P450 27C1 Antibody - Protein Information**Name** CYP27C1 ([HGNC:33480](#))**Function**

[Isoform 2]: A cytochrome P450 monooxygenase that catalyzes the 3,4 desaturation of all-trans-retinol (also called vitamin A1) to all-trans-3,4-didehydroretinol (also called vitamin A2) in the skin. Desaturates with lower efficiency all-trans retinal and all-trans retinoic acid. Forms minor amounts of 3-hydroxy and 4-hydroxy all- trans-retinol derivatives. Mechanistically, uses molecular oxygen inserting one oxygen atom into a substrate and reducing the second into a water molecule. Two electrons are provided by NADPH via a two-protein mitochondrial transfer system comprising flavoprotein FDXR (adrenodoxin/ferredoxin reductase) and nonheme iron-sulfur protein FDX1 or FDX2 (adrenodoxin/ferredoxin).

Cellular Location

[Isoform 2]: Mitochondrion membrane {ECO:0000250|UniProtKB:P14137}; Peripheral membrane

protein {ECO:0000250|UniProtKB:P14137}

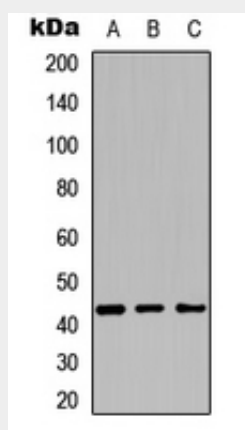
Tissue Location

Widely expressed, with highest levels in the liver, kidney and pancreas.

Anti-Cytochrome P450 27C1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Cytochrome P450 27C1 Antibody - Images

Western blot analysis of Cytochrome P450 27C1 expression in HEK293T (A), NIH3T3 (B), PC12 (C) whole cell lysates.

Anti-Cytochrome P450 27C1 Antibody - Background

Rabbit polyclonal antibody to Cytochrome P450 27C1