

**FDXR Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16132b****Specification**

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**FDXR Antibody (C-term) - Product Information**

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Application       | WB,E                                                      |
| Primary Accession | <a href="#">P22570</a>                                    |
| Other Accession   | <a href="#">NP_077728.2</a> , <a href="#">NP_004101.2</a> |
| Reactivity        | Human                                                     |
| Host              | Rabbit                                                    |
| Clonality         | Polyclonal                                                |
| Isotype           | Rabbit IgG                                                |
| Calculated MW     | 53837                                                     |
| Antigen Region    | 459-487                                                   |

**FDXR Antibody (C-term) - Additional Information****Gene ID** 2232**Other Names**NADPH:adrenodoxin oxidoreductase, mitochondrial, AR, Adrenodoxin reductase,  
Ferredoxin--NADP(+) reductase, Ferredoxin reductase, FDXR, ADXR**Target/Specificity**

This FDXR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 459-487 amino acids from the C-terminal region of human FDXR.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

FDXR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**FDXR Antibody (C-term) - Protein Information****Name** FDXR ([HGNC:3642](#))**Synonyms** ADXR

**Function** Serves as the first electron transfer protein in all the mitochondrial P450 systems including cholesterol side chain cleavage in all steroidogenic tissues, steroid 11-beta hydroxylation in the adrenal cortex, 25-OH-vitamin D3-24 hydroxylation in the kidney, and sterol C- 27 hydroxylation in the liver.

**Cellular Location**

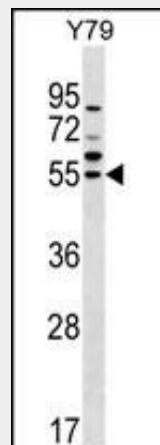
Mitochondrion inner membrane {ECO:0000250|UniProtKB:P48360}; Peripheral membrane protein

**FDXR Antibody (C-term) - 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](#)

**FDXR Antibody (C-term) - Images**



FDXR Antibody (C-term) (Cat. #AP16132b) western blot analysis in Y79 cell line lysates (35ug/lane). This demonstrates the FDXR antibody detected the FDXR protein (arrow).

**FDXR Antibody (C-term) - Background**

This gene encodes a mitochondrial flavoprotein that initiates electron transport for cytochromes P450 receiving electrons from NADPH. Multiple alternatively spliced transcript variants of this gene have been described although the full-length nature of only two that encode different isoforms have been determined.

**FDXR Antibody (C-term) - References**

Trapasso, F., et al. J. Biol. Chem. 283(20):13736-13744(2008)  
Araya, Z., et al. Biochim. Biophys. Acta 1632 (1-3), 40-47 (2003) :  
Thiboutot, D., et al. J. Invest. Dermatol. 120(6):905-914(2003)

Liu, G., et al. Oncogene 21(47):7195-7204(2002)

Coghlan, V.M., et al. J. Biol. Chem. 266(28):18606-18612(1991)