

**DATASHEET**

**FDXR Rabbit Polyclonal Antibody**

CAT. NO. APA14323

**KEY FEATURES**

Target	FDXR	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

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 . Also acts as a ferredoxin--NADP(+) reductase essential for coenzyme Q biosynthesis: together with FDX2, transfers the electrons required for the hydroxylation reaction performed by COQ6 reductase essential for coenzyme Q biosynthesis: together with FDX2, transfers the electrons required for the hydroxylation reaction performed by COQ6 .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

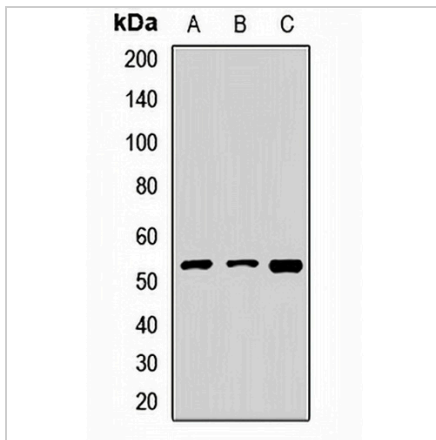
Description	Rabbit polyclonal antibody to FDXR
Specificity	Recognizes endogenous levels of FDXR protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human FDXR
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 48; Observed: 50 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	ADXR; NADPH:adrenodoxin oxidoreductase mitochondrial; AR; Adrenodoxin reductase; Ferredoxin--NADP(+) reductase; Ferredoxin reductase
Gene Symbol	FDXR
Entrez Gene	2232(Human); 14149(Mouse); 79122(Rat)
SwissProt	P22570(Human); Q61578(Mouse); P56522(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of FDXR expression in HepG2 (A), mouse kidney (B), rat lung (C) whole cell lysates. (Predicted band size: 48; 49; 52; 53; 54; 57; 58 kD; Observed band size: 50 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.