

DATASHEET

FDX1 Rabbit Polyclonal Antibody

CAT. NO. APA14904

KEY FEATURES

Target	FDX1	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

Essential for the synthesis of various steroid hormones . Participates in the reduction of mitochondrial cytochrome P450 for steroidogenesis . Transfers electrons from adrenodoxin reductase to CYP11A1, a cytochrome P450 that catalyzes cholesterol side-chain cleavage . Does not form a ternary complex with adrenodoxin reductase and CYP11A1 but shuttles between the two enzymes to transfer electrons .

APPLICATION

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

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

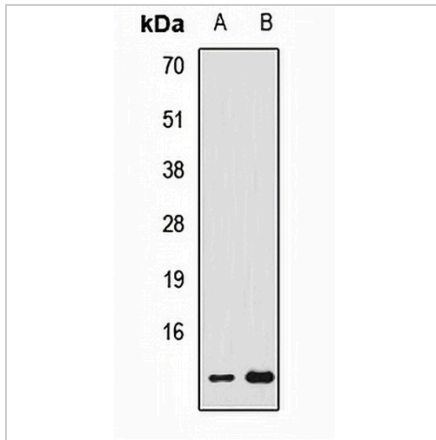
Description	Rabbit polyclonal antibody to FDX1
Specificity	Recognizes endogenous levels of FDX1 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human FDX1
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 19 kD; Observed: 14 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	ADX; Adrenodoxin mitochondrial; Adrenal ferredoxin; Ferredoxin-1; Hepatoredoxin
Gene Symbol	FDX1
Entrez Gene	2230(Human); 14148(Mouse); 29189(Rat)
SwissProt	P10109(Human); P46656(Mouse); P24483(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact 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 FDX1 expression in HEK293T (A), K562 (B) whole cell lysates. (Predicted band size: 19 kD; Observed band size: 14 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.