

## ARG67149 anti-FDX1 / Ferredoxin 1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Polyclonal antibody recognizes FDX1 / Ferredoxin 1
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FDX1 / Ferredoxin 1
Species	Human
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human FDX1 / Ferredoxin 1.
Conjugation	Un-conjugated
Alternate Names	LOH11CR1D; Hepatoredoxin; ADX; Adrenal ferredoxin; FDX; Ferredoxin-1; Adrenodoxin, mitochondrial

### Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	13 kDa	

### Properties

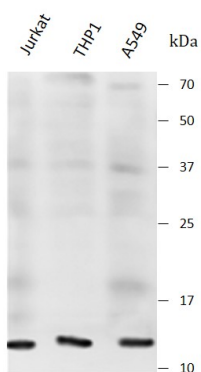
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3) with 0.01% Sodium azide, 50% Glycerol and 0.2% BSA.
Preservative	0.01% Sodium azide
Stabilizer	50% Glycerol and 0.2% BSA.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	FDX1
Gene Full Name	ferredoxin 1
Background	This gene encodes a small iron-sulfur protein that transfers electrons from NADPH through ferredoxin reductase to mitochondrial cytochrome P450, involved in steroid, vitamin D, and bile acid metabolism. Pseudogenes of this functional gene are found on chromosomes 20 and 21. [provided by RefSeq, Aug 2011]
Function	Participates in the synthesis of thyroid hormones. 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. [UniProt]
Calculated Mw	19 kDa
Cellular Localization	Mitochondrion matrix. [UniProt]

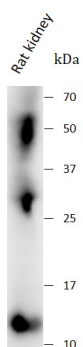
## Images

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ARG67149 anti-FDX1 / Ferredoxin 1 antibody WB image

Western blot: Jurkat, THP1 and A549 stained with ARG67149 anti-FDX1 / Ferredoxin 1 antibody.



ARG67149 anti-FDX1 / Ferredoxin 1 antibody WB image

Western blot: Rat kidney stained with ARG67149 anti-FDX1 / Ferredoxin 1 antibody.

ARG67149 anti-FDX1 / Ferredoxin 1 antibody WB image

Western blot: Mouse kidney and Mouse muscle stained with ARG67149 anti-FDX1 / Ferredoxin 1 antibody.

