

## ARG43831 anti-FDX1 / Ferredoxin 1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes FDX1 / Ferredoxin 1.
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FDX1 / Ferredoxin 1
Immunogen	Synthetic peptide from 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
	IHC-P	1:50-1:100
	IP	1:20
	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.	

### Properties

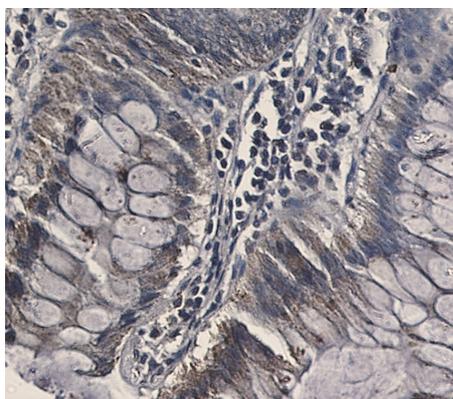
Form	Liquid
Purification	Affinity Purified
Buffer	Tris-Glycine (pH 7.4) with 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. 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]

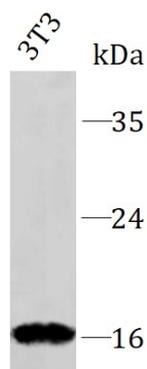
## Images

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ARG43831 anti-FDX1 / Ferredoxin 1 antibody IHC-P image

Immunohistochemistry: Human colon cancer stained with ARG43831 anti-FDX1 / Ferredoxin 1 antibody.



ARG43831 anti-FDX1 / Ferredoxin 1 antibody WB image

Western blot: 3T3 cell stained with ARG43831 anti-FDX1 / Ferredoxin 1 antibody.