

ARG58649 anti-FDXR / Ferredoxin Reductase antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FDXR / Ferredoxin Reductase
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FDXR / Ferredoxin Reductase
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 252-491 of Human FDXR (NP_077728.3).
Conjugation	Un-conjugated
Alternate Names	Ferredoxin--NADP; NADPH:adrenodoxin oxidoreductase, mitochondrial; EC 1.18.1.6; ADXR; AR; Adrenodoxin reductase; Ferredoxin reductase

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse ovary	
Observed Size	45 kDa	

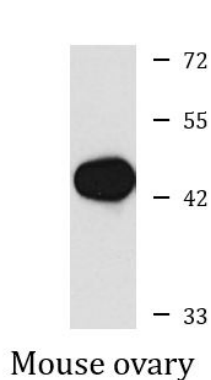
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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	FDXR
Gene Full Name	ferredoxin reductase
Background	This gene encodes a mitochondrial flavoprotein that initiates electron transport for cytochromes P450 receiving electrons from NADPH. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Apr 2012]
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. [UniProt]
Calculated Mw	54 kDa
Cellular Localization	Mitochondrion matrix. [UniProt]

Images



ARG58649 anti-FDXR / Ferredoxin Reductase antibody WB image

Western blot: 25 µg of Mouse ovary lysate stained with ARG58649 anti-FDXR / Ferredoxin Reductase antibody at 1:1000 dilution.