

Rabbit Ferredoxin Reductase Polyclonal Antibody | anti-FDXR antibody

Ferredoxin Reductase Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329081	Rabbit	Human, Mouse, Rat, Monkey Predicted Reactivity: Bovine(100%), Horse(100%), Sheep(100%), Dog(100%)	ELISA

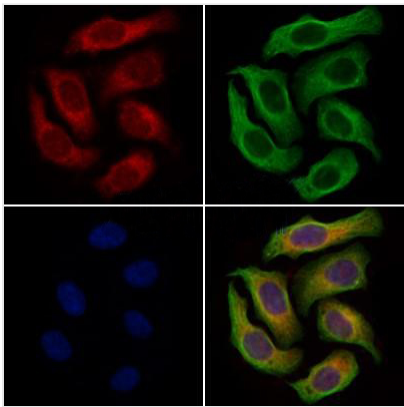
PRODUCT SYNONYMS

Ferredoxin Reductase; Polyclonal Antibody; Ferredoxin Reductase Antibody; Adrenodoxin reductase; ADRO_HUMAN; ADXR; AR; FDXR; Ferredoxin NADP(+) reductase; Ferredoxin reductase; Ferredoxin--NADP(+) reductase; mitochondrial; NADPH adrenodoxin oxidoreductase mitochondrial; NADPH:adrenodoxin oxidoreductase; anti-FDXR antibody

PRODUCT SPECIFICATIONS

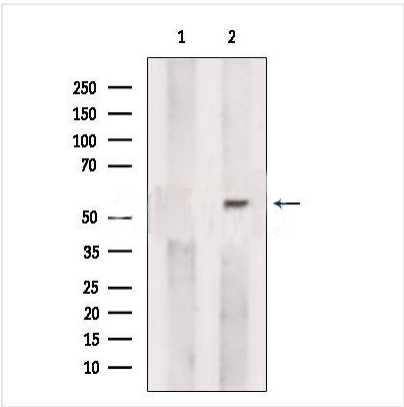
Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey Predicted Reactivity: Bovine(100%), Horse(100%), Sheep(100%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Ferredoxin Reductase Antibody detects endogenous levels of total Ferredoxin Reductase.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	491
Applicable Applications for anti-FDXR antibody	ELISA
Immunogen	A synthesized peptide derived from human Ferredoxin Reductase, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA329081 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA329081 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from VERO cells, using Ferredoxin Reductase Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-FDXR antibody	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.
	Subcellular Location: Mitochondrion inner membrane>Peripheral membrane protein.
	Subunit Structure: Monomer. Interacts directly with FDX1.
	Similarity: Belongs to the ferredoxin--NADP reductase type 1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	85681283
NCBI GeneID	2232
UniProt Accession #	P22570
Molecular Weight	Observed Molecular Weight: (Observed)53kD. Predicted Molecular Weight: (Calculated)54kDa.
NCBI Official Full Name	NADPH:adrenodoxin oxidoreductase, mitochondrial
NCBI Official Synonym Full Names	ferredoxin reductase
NCBI Official Symbol	FDXR
NCBI Official Synonym Symbols	ADR; ADXR; ANOA
NCBI Protein Information	NADPH:adrenodoxin oxidoreductase, mitochondrial
UniProt Protein Name	NADPH:adrenodoxin oxidoreductase, mitochondrial
UniProt Gene Name	FDXR
UniProt Synonym Gene Names	ADXR; AR; Adrenodoxin reductase; Ferredoxin reductase
UniProt Entry Name	ADRO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ferredoxin-reductase-antibody-elisa/329081>