

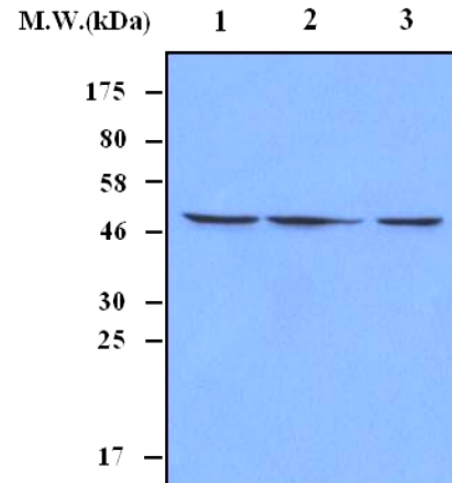
Ferredoxin Reductase Antibody (Clone 6C2)

ALTERNATE NAMES:	NADPH: adrenodoxin oxidoreductase, mitochondrial, FDXR, ADXR
CATALOG #:	6216-100
AMOUNT:	100 µl
HOST:	Mouse
ISOTYPE:	IgG1
IMMUNOGEN:	Recombinant human fragment protein purified from E.coli
PURIFICATION:	Protein G purified
FORM:	Liquid
FORMULATION:	100 µl of antibody in HEPES with 0.15 M NaCl, 0.01 % BSA, 0.03 % sodium azide, and 50 % glycerol
SPECIES REACTIVITY:	Human
STORAGE CONDITIONS:	Store for 1 year at -20°C from date of shipment. Avoid repeated freeze/thaw cycles.

DESCRIPTION: Ferredoxin reductase is a ubiquitous flavoenzyme, containing noncovalently bound FAD as a prosthetic group. It plays a role in delivering NADPH or low potential one-electron donors such as ferredoxin and flavodoxin to redox-based metabolisms in plastids, mitochondria and bacteria. In mammals, ferredoxin reductase is loosely associated with the inner mitochondrial membrane and receives electrons from NADPH. These electrons are transferred to ferredoxin which shuttles electrons to cytochrome P450 in the adrenal cortex mitochondrial steroid hydroxylation systems. It 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.

APPLICATION: WB: 1µg/ml

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



WB analysis.
Lane 1: HeLa cell lysate, Lane 2: Jurkat cell lysate, Lane 3: 293 T cell lysate

RELATED PRODUCTS:

- Glutathione peroxidase 4 (1H11) Monoclonal Antibody (Cat. No. 6213-100)
- Glutathione peroxidase 1 (2A10) Monoclonal Antibody (Cat. No. 6214-100)
- Glutaredoxin 1 (28C3) Monoclonal Antibody (Cat. No. 6211-100)
- Glutathione reductase (2B3) Monoclonal Antibody (Cat. No. 6212-100)
- Glutathione Peroxidase Activity Colorimetric Assay Kit (Cat. No. K762-100)
- Glutathione Reductase Activity Colorimetric Assay Kit (Cat. No. K761-100)
- Glutathione (GSH/GSSG/Total) Fluorometric Assay Kit (Cat. No. K264-100)
- Glutathione Colorimetric Assay Kit (Cat. No. K261-100)
- Glutathione Fluorometric Assay Kit (Cat. No. K251-100)
- Glutathione Reductase Activity Colorimetric Assay Kit (Cat. No. K761-100)
- Oxidized Glutathione (GSSG) (Cat. No. 1241-1)
- Reduced Glutathione (GSH) (Cat. No. 1242-1)
- Bacterial Recombinant GOR (Cat. No. 6380-100)

FOR RESEARCH USE ONLY! Not to be used on humans.