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Datasheet for ABIN5002582

anti-Ferredoxin Reductase antibody (AA 401-491) (Alexa Fluor 750)

Overview

Quantity:	100 µL
Target:	Ferredoxin Reductase (FDXR)
Binding Specificity:	AA 401-491
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ferredoxin Reductase antibody is conjugated to Alexa Fluor 750
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Ferredoxin Reductase
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Horse
Purification:	Purified by Protein A.

Target Details

Target:	Ferredoxin Reductase (FDXR)
Alternative Name:	Ferredoxin Reductase/ADXR (FDXR Products)

Target Details

Background: Synonyms: adrenodoxin reductase, ADRO_HUMAN, ADXR, AR, FDXR, Ferredoxin NADP+ reductase, Ferredoxin reductase, Ferredoxin--NADP+ reductase, mitochondrial, NADPH adrenodoxin oxidoreductase mitochondrial, NADPH:adrenodoxin oxidoreductase.

Background: Adrenodoxin Reductase (ADX Reductase) is a mitochondrial flavoprotein that receives electrons from NADPH and thereby initiates the electron-transport chain serving mitochondrial cytochromes P450. ADX Reductase participates in cholesterol side chain cleavage in all steroidogenic tissues, steroid 11- β hydroxylation in the adrenal cortex, 25-OH-vitamin D3-24 hydroxylation in the kidney and sterol C-27 hydroxylation in the liver. Alternate splicing of ADX Reductase produces two isoforms. Human ADX Reductase maps to human chromosome 17q24-q25.

Gene ID: 2232

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 $\mu\text{g}/\mu\text{L}$

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months