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Datasheet for ABIN1711298

## anti-Ferredoxin Reductase antibody (AA 401-491) (HRP)

### 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 HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### 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 ( <a href="#">FDXR Products</a> )

## Target Details

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**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- $\beta$  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.

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**Gene ID:** 2232

## Application Details

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**Application Notes:** WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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

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

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**Preservative:** ProClin

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

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**Handling Advice:** Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

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**Storage:** -20 °C

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

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**Expiry Date:** 12 months