

# FDX1 / ADX Antibody

Rabbit mAb

Catalog # AP92884

## Product Information

<b>Application</b>	WB, IHC, IF, ICC, IHF
<b>Primary Accession</b>	<a href="#">P10109</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	Adrenodoxin; ADX; FDX; fdx1; Ferredoxin 1; Hepatoredoxin; LOH11CR1D;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	19393

## Additional Information

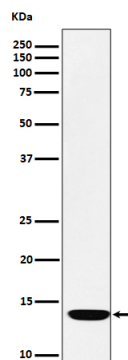
<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human FDX1 / ADX
<b>Description</b>	Participates in the synthesis of thyroid hormones. Transfers electrons from adrenodoxin reductase to the cholesterol side chain cleavage cytochrome P450.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

<b>Name</b>	FDX1
<b>Synonyms</b>	ADX
<b>Function</b>	Essential for the synthesis of various steroid hormones (PubMed: <a href="#">20547883</a> , PubMed: <a href="#">21636783</a> ). Participates in the reduction of mitochondrial cytochrome P450 for steroidogenesis (PubMed: <a href="#">20547883</a> , PubMed: <a href="#">21636783</a> ). Transfers electrons from adrenodoxin reductase to CYP11A1, a cytochrome P450 that catalyzes cholesterol side-chain cleavage (PubMed: <a href="#">20547883</a> , PubMed: <a href="#">21636783</a> ). Does not form a ternary complex with adrenodoxin reductase and CYP11A1 but shuttles between the two enzymes to transfer electrons (By similarity).
<b>Cellular Location</b>	Mitochondrion matrix
<b>Tissue Location</b>	Highest levels in the adrenal gland (at protein level). Also detected in kidney and testis (at protein level)

## Images

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Western blot analysis of FDX1 / ADX expression in A549 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.