

**FDX1 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP5902b****Specification**

---

**FDX1 Antibody (C-term) Blocking peptide -  
Product Information**

Primary Accession [P10109](#)  
Other Accession [NP\\_004100.1](#)

**FDX1 Antibody (C-term) Blocking peptide -  
Additional Information**

**Gene ID** 2230

**Other Names**

Adrenodoxin, mitochondrial, Adrenal  
ferredoxin, Ferredoxin-1, Hepatoredoxin,  
FDX1, ADX

**Format**

Peptides are lyophilized in a solid powder  
format. Peptides can be reconstituted in  
solution using the appropriate buffer as  
needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6  
months. For long term storage store at  
-20°C.

**Precautions**

This product is for research use only. Not  
for use in diagnostic or therapeutic  
procedures.

**FDX1 Antibody (C-term) Blocking peptide -  
Protein Information**

**Name** FDX1

**Synonyms** ADX

**Function**

Essential for the synthesis of various steroid  
hormones (PubMed:<a href="http://www.un  
iprot.org/citations/20547883"  
target="\_blank">20547883</a>,  
PubMed:<a href="http://www.uniprot.org/ci  
tations/21636783"

target="\_blank">21636783</a>). Participates in the reduction of mitochondrial cytochrome P450 for steroidogenesis (PubMed:<a href="http://www.uniprot.org/citations/20547883" target="\_blank">20547883</a>, PubMed:<a href="http://www.uniprot.org/citations/21636783" target="\_blank">21636783</a>). Transfers electrons from adrenodoxin reductase to CYP11A1, a cytochrome P450 that catalyzes cholesterol side-chain cleavage (PubMed:<a href="http://www.uniprot.org/citations/20547883" target="\_blank">20547883</a>, PubMed:<a href="http://www.uniprot.org/citations/21636783" target="\_blank">21636783</a>). Does not form a ternary complex with adrenodoxin reductase and CYP11A1 but shuttles between the two enzymes to transfer electrons (By similarity).

**Cellular Location**

Mitochondrion matrix

**Tissue Location**

Highest levels in the adrenal gland (at protein level). Also detected in kidney and testis (at protein level)

**FDX1 Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)