

FDX1 / ADX Antibody
Rabbit mAb
Catalog # AP92884**Specification**

FDX1 / ADX Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	P10109
Reactivity	Rat
Clonality	Monoclonal
Other Names	
Adrenodoxin; ADX; FDX; fdx1; Ferredoxin 1; Hepatoredoxin; LOH11CR1D;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	19393 Da

FDX1 / ADX Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human FDX1 / ADX
Description	Participates in the synthesis of thyroid hormones. Transfers electrons from adrenodoxin reductase to the cholesterol side chain cleavage cytochrome P450.
Storage Condition and Buffer	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.

FDX1 / ADX Antibody - Protein Information**Name** FDX1**Synonyms** ADX**Function**

Essential for the synthesis of various steroid hormones (PubMed:20547883, PubMed:21636783). Participates in the reduction of mitochondrial cytochrome P450 for steroidogenesis (PubMed:20547883, PubMed:21636783). Transfers electrons from adrenodoxin reductase to CYP11A1, a cytochrome P450 that catalyzes cholesterol

side-chain cleavage (PubMed: 20547883, PubMed: 21636783). 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

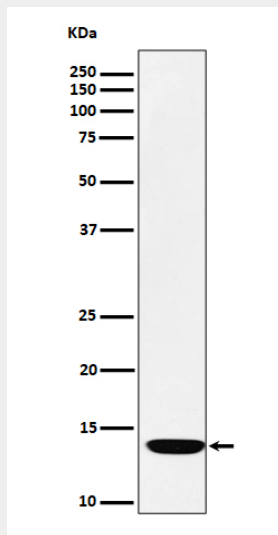
Highest levels in the adrenal gland (at protein level). Also detected in kidney and testis (at protein level)

FDX1 / ADX Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FDX1 / ADX Antibody - Images



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