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FDX1 / ADX Antibody

Rabbit mAb
Catalog # AP92884

Product Information

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

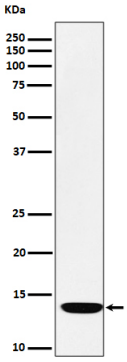
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
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.

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)

Images



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'.