

Product Name: FDX1 / ADX (18G16) Rabbit Monoclonal Antibody
Catalog #: AMRe10896

Summary

Production Name	FDX1 / ADX (18G16) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	FDX1
Alternative Names	Adrenodoxin; ADX; FDX; fdx1; Ferredoxin 1; Hepatoredoxin; LOH11CR1D;
Gene ID	2230.0
SwissProt ID	P10109.A synthetic peptide of human Adrenodoxin

Application

Dilution Ratio	WB: 1:1000-1:5000
Molecular Weight	19kDa

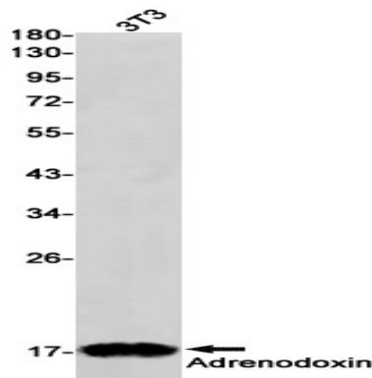
Background

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Participates in the synthesis of thyroid hormones. Transfers electrons from adrenodoxin reductase to the cholesterol side chain cleavage cytochrome P450. 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).

Research Area

Image Data



Western blot detection of Adrenodoxin in 3T3 cell lysates using Adrenodoxin antibody(1:1000 diluted).

Note

For research use only.