

**Product Name: Adrenodoxin Rabbit Monoclonal Antibody****Catalog #: AMRe85260**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,IP
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,IP 1:10-1:20
<b>Molecular Weight</b>	Calculated MW: 19 kDa; Observed MW: 14 kDa

**Antigen Information**

<b>Gene Name</b>	Adrenodoxin
<b>Alternative Names</b>	ADX; FDX; LOH11CR1D
<b>Gene ID</b>	2230.0
<b>SwissProt ID</b>	P10109
<b>Immunogen</b>	A synthetic peptide of human Adrenodoxin

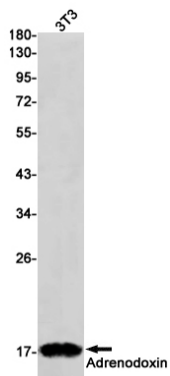
**Background**

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,

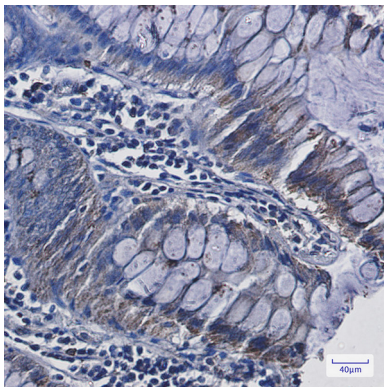
PubMed:21636783). Does not form a ternary complex with adrenodoxin reductase and CYP11A1 but shuttles between the two enzymes to transfer electrons .

## Research Area

## Image Data



Western blot analysis of Adrenodoxin in 3T3 lysates using Adrenodoxin antibody.



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Adrenodoxin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.