



## Rabbit Anti-Adrenodoxin antibody

SL11426R

<b>Product Name:</b>	Adrenodoxin
<b>Chinese Name:</b>	肾上腺皮质Mitochondrion铁氧还蛋白抗体
<b>Alias:</b>	Adrenal ferredoxin; Adrenodoxin; Adrenodoxin, mitochondrial; ADX; ADX_HUMAN; FDX; fdx1; Ferredoxin 1; Ferredoxin-1; Hepatoredoxin; LOH11CR1D; Mitochondrial adrenodoxin; mitochondrial.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	13.5kDa
<b>Cellular localization:</b>	cytoplasmicMitochondrion
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Adrenodoxin/FDX:51-150/184
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes a small iron-sulfur protein that transfers electrons from NADPH through ferredoxin reductase to mitochondrial cytochrome P450, involved in steroid, vitamin D, and bile acid metabolism. Pseudogenes of this functional gene are found on chromosomes 20 and 21. [provided by RefSeq, Aug 2011]

**Function:**

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

**Subcellular Location:**

Mitochondrion matrix.

**Tissue Specificity:**

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

**Similarity:**

Belongs to the adrenodoxin/putidaredoxin family.  
Contains 1 2Fe-2S ferredoxin-type domain.

**SWISS:**

P10109

**Gene ID:**

2230

**Database links:**

[Entrez Gene: 2230](#) Human

[Entrez Gene: 14148](#) Mouse

[Entrez Gene: 29189](#) Rat

[Omim: 103260](#) Human

[SwissProt: P10109](#) Human

[SwissProt: P46656](#) Mouse

[SwissProt: P24483](#) Rat

[Unigene: 744](#) Human

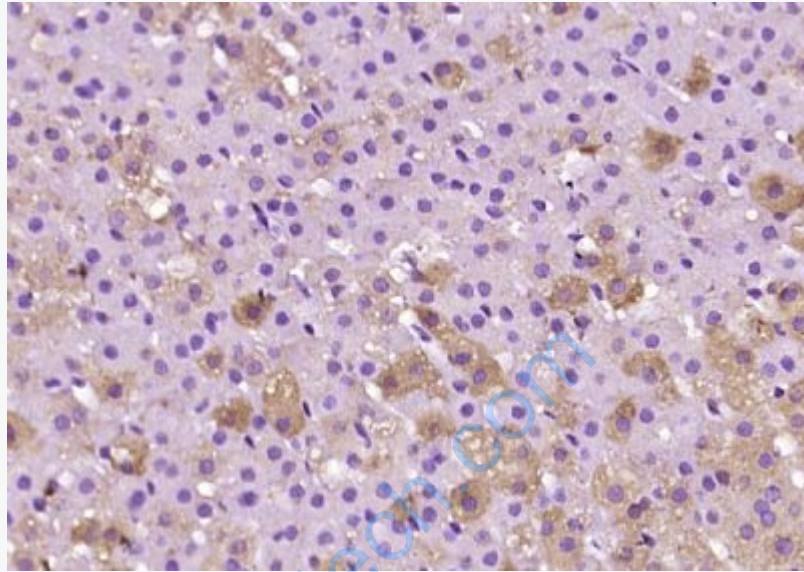
[Unigene: 1061](#) Mouse

[Unigene: 440190](#) Mouse

[Unigene: 6946](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (rat adrenal gland tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Adrenodoxin) Polyclonal Antibody, Unconjugated (SL11426R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.