SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Adrenodoxin antibody

Catalog Number: SL11426R

FOR RESEARCH USE ONLY

[DATASHEET]

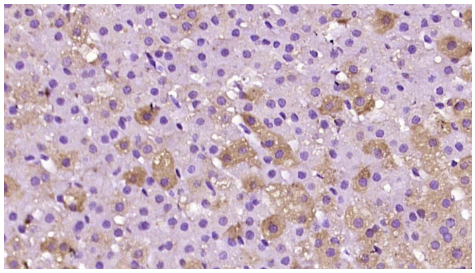
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Adrenodoxin
Immunogen:	KLH conjugated synthetic peptide derived from human Adrenodoxin/FDX: 51-150/184
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat, (predicted: Human, Mouse, Sheep)
Predicted MW.:	13.5kDa
Subcellular Location:	cytoplasmic Mitochondrion
Background:	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.

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

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	Contains 1 2Fe-2S ferredoxin-type domain. **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

[VALIDATION IMAGES]



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) instructionsand DAB staining.

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