

Adrenodoxin Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54496**Specification**

Adrenodoxin Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	P10109
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19393

Adrenodoxin Polyclonal Antibody - Additional Information**Gene ID** 2230**Other Names**

Adrenodoxin, mitochondrial, Adrenal ferredoxin, Ferredoxin-1, Hepatoredoxin, FDX1, ADX

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Adrenodoxin Polyclonal Antibody - 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

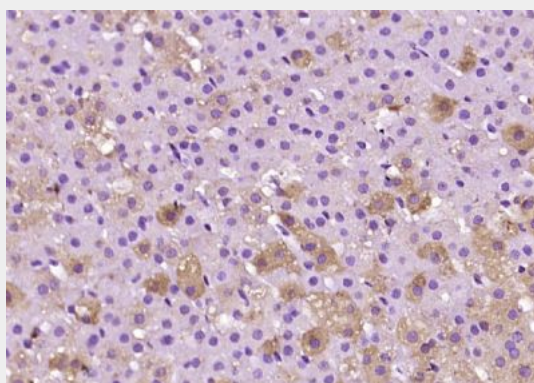
Tissue Location

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

Adrenodoxin Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Adrenodoxin Polyclonal Antibody - 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 (bs-11426R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.