

FDXR Antibody
Rabbit Polyclonal Antibody
Catalog # ALS14259**Specification**

FDXR Antibody - Product Information

Application	WB, IHC
Primary Accession	P22570
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54kDa KDa

FDXR Antibody - Additional Information**Gene ID** 2232**Other Names**

NADPH:adrenodoxin oxidoreductase, mitochondrial, AR, Adrenodoxin reductase, 1.18.1.6, Ferredoxin--NADP(+) reductase, Ferredoxin reductase, FDXR, ADXR

Reconstitution & Storage

May be stored at 4°C for short-term only. For long-term storage, aliquot and store at -20°C. Aliquots are stable for at least 12 months at -20°C.

Precautions

FDXR Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

FDXR Antibody - Protein Information**Name** FDXR ([HGNC:3642](#))**Synonyms** ADXR**Function**

Serves as the first electron transfer protein in all the mitochondrial P450 systems including cholesterol side chain cleavage in all steroidogenic tissues, steroid 11-beta hydroxylation in the adrenal cortex, 25-OH-vitamin D3-24 hydroxylation in the kidney, and sterol C- 27 hydroxylation in the liver.

Cellular Location

Mitochondrion inner membrane {ECO:0000250|UniProtKB:P48360}; Peripheral membrane protein

Volume

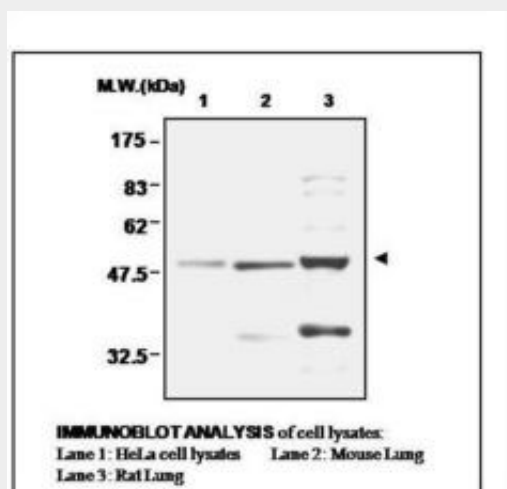
50 µl

FDXR Antibody - Protocols

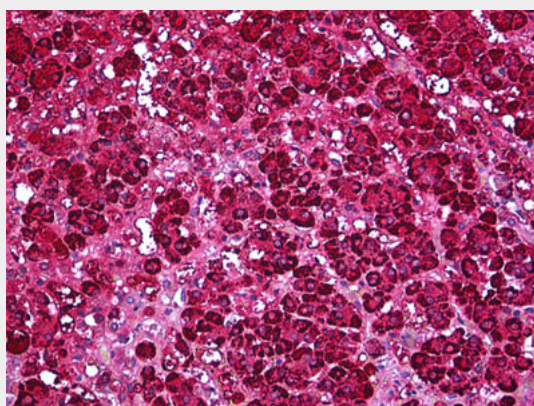
Provided below are standard protocols that you may find useful for product applications.

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

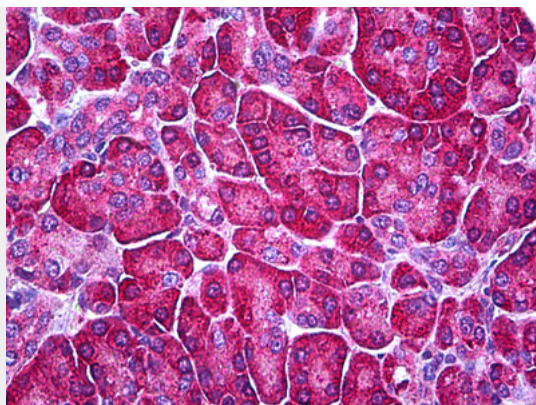
FDXR Antibody - Images



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Anti-FDXR antibody IHC of human adrenal.



Anti-FDXR antibody IHC of human pancreas.

FDXR Antibody - Background

Serves as the first electron transfer protein in all the mitochondrial P450 systems. Including cholesterol side chain cleavage in all steroidogenic tissues, steroid 11-beta hydroxylation in the adrenal cortex, 25-OH-vitamin D3-24 hydroxylation in the kidney, and sterol C-27 hydroxylation in the liver.

FDXR Antibody - References

Solish S.B.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:7104-7108(1988).
Lin D.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:8516-8520(1990).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).