



Product datasheet

Anti-Ferredoxin Reductase antibody ab204310

2 References 2 Images

Overview

Product name	Anti-Ferredoxin Reductase antibody
Description	Rabbit polyclonal to Ferredoxin Reductase
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P
Species reactivity	Reacts with: Human
Immunogen	<p>Recombinant fragment corresponding to Human Ferredoxin Reductase aa 1-134. Sequence:</p> <p>MASRCWRWWGWSAWPRTRLPPAGSTPSFCHHFST QEKTPQICVVGSGPAG FYTAQHLLKHPQAHVDIYEKQPVPFGLVRFVAPDHP EVKNVINTFTQ TAHSGRCAFWGNVEVGRDVTVPELREAYHAVVLSYG</p> <p>Database link: P22570</p> <p style="text-align: right;"> Run BLAST with  Run BLAST with</p>
Positive control	Human ovary tissue. RT-4, U-251 MG, Human plasma, Human liver and Human tonsil lysate. U-2 OS cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol, 59% PBS</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab204310** in the following tested applications.

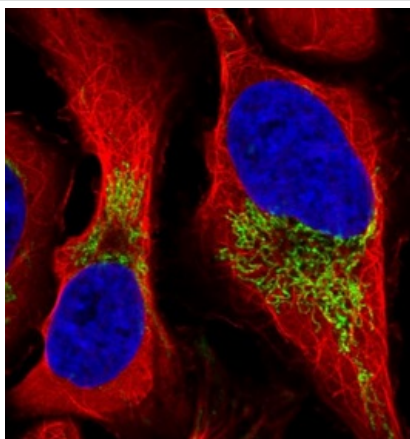
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 1 - 4 µg/ml.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

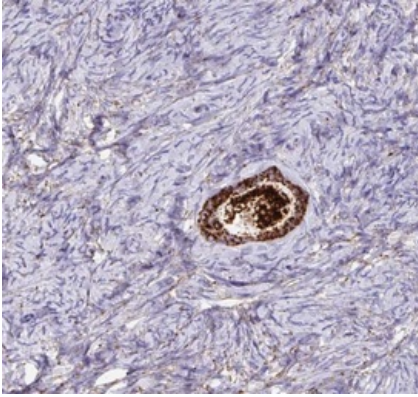
Function	Serves as the first electron transfer protein in all the mitochondrial P450 systems. Including cholesterol side chain cleavage in all steroidogenic tissues, steroid 11-beta hydroxylation in the adrenal cortex, 25-OH-vitamin D3-24 hydroxylation in the kidney, and sterol C-27 hydroxylation in the liver.
Pathway	Steroid metabolism; cholesterol metabolism.
Sequence similarities	Belongs to the ferredoxin--NADP reductase type 1 family.
Cellular localization	Mitochondrion matrix.

Images



Immunofluorescent analysis of U-2 OS cells (PFA-fixed/Triton X-100 permeabilized) labeling Ferredoxin Reductase with ab204310 at 4 µg/mL.

Immunocytochemistry/ Immunofluorescence - Anti-Ferredoxin Reductase antibody (ab204310)



Immunohistochemical analysis of paraffin-embedded Human ovary tissue labeling Ferredoxin Reductase with ab204310 at 1/50 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ferredoxin Reductase antibody (ab204310)

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