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Datasheet for ABIN7144868
anti-ATP50 antibody (AA 24-213)

1 Image

Overview

Quantity:	100 µL
Target:	ATP50
Binding Specificity:	AA 24-213
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP50 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human ATP synthase subunit O, mitochondrial protein (24-213AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	ATP50
Alternative Name:	ATP50 (ATP50 Products)
Background:	Background: Mitochondrial membrane ATP synthase (F1F0 ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is

Target Details

generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F1 - containing the extramembraneous catalytic core and F0 - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F0 domain and the peripheric stalk, which acts as a stator to hold the catalytic alpha3beta3 subcomplex and subunit a/ATP6 static relative to the rotary elements.

Aliases: ATP synthase O subunit mitochondrial precursor antibody, ATP synthase subunit O antibody, ATP synthase, H⁺ transporting, mitochondrial F1 complex, O subunit antibody, ATP50 antibody, ATPO antibody, ATPO_HUMAN antibody, mitochondrial antibody, Mitochondrial ATP synthase, O subunit antibody, Oligomycin sensitivity conferral protein antibody, OSCP antibody

UniProt: [P48047](#)

Pathways: [Proton Transport](#), [Ribonucleoside Biosynthetic Process](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

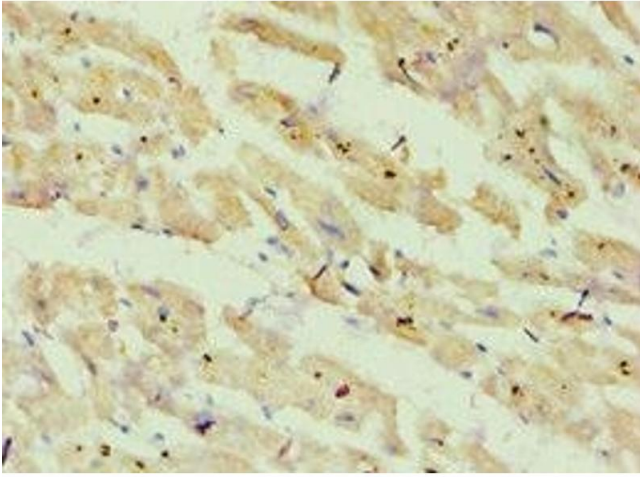
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human heart tissue using ABIN7144868 at dilution of 1:100