

Datasheet for ABIN7453915
anti-ATP5A1 antibody (AA 175-225)



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Overview

Quantity:	100 µg
Target:	ATP5A1
Binding Specificity:	AA 175-225
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Rabbit anti-ATP5A1 Antibody, Affinity Purified
Immunogen:	Between AA 175 and 225
Isotype:	IgG
Predicted Reactivity:	Rat,X. laevis,Bovine,Pig,Orangutan,Chimpanzee
Purification:	Affinity Purified

Target Details

Target:	ATP5A1
Alternative Name:	ATP5A1 (ATP5A1 Products)
Background:	Background: ATP synthase subunit alpha mitochondrial (ATP5A1) is a subunit of mitochondrial

Target Details

ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, using an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c) [taken from NCBI Entrez Gene (Gene ID: 498)].

Gene ID: 498

UniProt: [P25705](#)

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

Application Details

Application Notes: IHC: 1:2,000 - 1:10,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
IP: 2 - 10 µg/mg lysate
WB: 1:2,000 - 1:10,000

Restrictions: For Research Use only

Handling

Concentration: 1000 µg/mL

Buffer: Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % Sodium Azide

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: 4 °C

Expiry Date: 12 months