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Datasheet for ABIN7450012 **anti-ATP5I antibody (AA 19-69)**

Overview

Quantity:	100 µg
Target:	ATP5I
Binding Specificity:	AA 19-69
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5I antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	Rabbit anti-ATP5I Antibody, Affinity Purified
Immunogen:	Between AA 19 and 69
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	ATP5I
Alternative Name:	ATP5I (ATP5I Products)
Background:	Background: Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is

Target Details

composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, which comprises the proton channel. The F1 complex consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled in a ratio of 3 alpha, 3 beta, and a single representative of the other 3. The Fo seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). ATP5I is the e subunit of the Fo complex [taken from NCBI Entrez Gene (Gene ID: 521)].

Gene ID: 521

UniProt: [P56385](#)

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

Application Details

Application Notes: 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