

Datasheet for ABIN928241 **anti-ATP5F1 antibody (N-Term)**



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1 Image

Overview

Quantity:	100 µL
Target:	ATP5F1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5F1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Atp5 f1 antibody was raised in rabbit using the N terminal of Atp5 1 as the immunogen
Cross-Reactivity:	Mouse (Murine)
Purification:	Purified

Target Details

Target:	ATP5F1
Alternative Name:	Atp5f1 (ATP5F1 Products)
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 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

Target Details

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. Synonyms: Polyclonal Atp5f1 antibody, Anti-Atp5f1 antibody, ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit b, isoform 1 antibody, C76477 antibody.

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

Application Details

Application Notes: WB: 0.2-1 µg/mL
Optimal conditions should be determined by the investigator.

Comment: Atp5f1 Blocking Peptide, catalog no. 33R-7263, is also available for use as a blocking control in assays to test for specificity of this Atp5f1 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: Lot specific

Buffer: Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C, following reconstitution, aliquot and store at -20 °C.



Western Blotting

Image 1. Western Blot showing Atp5f1 antibody used at a concentration of 1-2 ug/ml to detect its target protein.